



Assoc. Prof. Dr. Eng. Khoirul Anwar, S.T., M. Eng.

BIRTH DATE Kediri, Indonesia, August 22, 1978.

**SHORT
BIOGRAPHY**

Dr. Anwar graduated (*cum laude*) from the department of Electrical Engineering (Telecommunications), Institut Teknologi Bandung (ITB), Bandung, Indonesia in 2000 for his Bachelor degree (S.T.). He received Master and Doctor Degrees from Graduate School of Information Science, Nara Institute of Science and Technology (NAIST), Nara, Japan, in 2005 and 2008, respectively. Dr. Anwar was in University of Melbourne, Australia, in 2007, University of Oulu, Finland, in 2010, and Cranfield University, United Kingdom, in 2018, as a visiting professor. In September 2008, he was with the School of Information Science, Japan Advanced Institute of Science and Technology (JAIST) as an assistant professor. Since September 2016 Dr. Anwar is with the school of electrical engineering, Telkom University, Bandung, Indonesia as an associate professor, the director of the Center for Advanced Intelligent Communications (AICOMS) (formerly the Center for Advanced Wireless Technologies (AdWiTech) 2016–2020), and) as one of the Indonesia University Center of Excellences supported by the Ministry of Higher Education since July 2020. AICOMS received The 2021 Rector Awards on best research center in the category of research grant achievement in 2021.

Dr. Anwar's technique is adopted by the international telecommunication union (ITU), ITU-R standard No. ITU-R S.2173 "*Multi-carrier-based transmission techniques*" also in ITU-R S.1878 "*Multi-carrier-based Transmission Techniques for Satellite Systems*". Dr. Anwar is the chairperson of WG Radio and Technologies of Indonesia 5G Forum (i5GF) and also the chairperson of the Working Group of Service and Applications (WG-S&A) in Asia Pacific Telecommunity Wireless Group (AWG), 2016–2019. Currently, Dr. Anwar is the Vice-Chairperson of Asia Pacific Telecommunity Wireless Group (AWG) for period of 2019–2022, and period of 2022-2025.

Dr. Anwar received best student paper award from the IEEE Radio and Wireless Symposium (RWS'06), California, USA, in 2006, Best Paper Award of Indonesian Student Association (ISA 2007), Kyoto, Japan in 2007, Best Paper Presenter for the Advanced Technology in International conference on Sustainability for Human Security (SUSTAIN), Kyoto, October 2011, Indonesian Diaspora "Award for Innovation", Congress of Indonesian Diaspora, Los Angeles, USA, July 2012, Achmad Bakrie Award 2014, Jakarta, December 2014, and Anugerah of Internationally Recognized Contributions from the Governor of West Java, Indonesia, December 2016, National Achievement Award by UKP-PIP Pancasila, Jakarta, August 2017, and Best paper award in IEEE TAFGEN 2018, Malaysia, July 2018. Dr. Anwar received TYATB Award 2019 of Indonesia's Award Winning Inventor, August 2019, and consecutive best lecturer awards from Telkom University in August 2019, August 2020, September 2021, September 2022, and September 2023.

His research interests are error correction coding, iterative decoding, coding for super-dense networks, network information theory, signal processing for wireless communications, molecular communications, quantum communications and error corrections. He serves as a reviewer for a number of main journals and conferences in the area of wireless communications, coding theory and signal processing. Dr. Anwar is a senior member of IEEE (Information Theory society, Communications society).

Graduate School of Information Science, 8916-5 Takayama, Ikoma, Nara, Japan

M. Eng., Wireless and Mobile Communications, March 2005

- Topic: "Peak-to-Average Power Ratio Reduction of OFDM Signals Using Carrier Interferometry Codes and Iterative Processing"
- Supervisors: Prof. Minoru Okada and Prof. Heiichi Yamamoto

Bachelor Degree (1996–2000): Institut Teknologi Bandung (ITB),

Electrical Engineering, Jl. Ganesha 10, Bandung, Indonesia

Sarjana Teknik (B. Eng.), Electrical Engineering (Telecommunications), October 2000

- Topic: "Interoperability of Digital Switching Systems for Signalling System No. 7 (SS7) using 5ESS"
- Supervisors: Dr. Ir. Hendrawan and Ian Yosef M., M.T.

PATENTS

Patent 1: JP4563453B2 (Granted, 2005)

Title: Transmitter and Receiver: CI-FFT Double FFT for efficient communications

Inventors: K. Anwar, T. Hara and K. Ando

The transmitter of one embodiment of the present invention includes: a S/P section for converting original serial data to parallel data which will correspond to a plurality of subcarriers; the second IFFT part for converting the parallel data from the frequency domain to the time domain

Patent 2: US7804764B2 (Granted, 2005)

Title: Transmitter and Receiver

Inventors: T. Hara, K. Anwar, and K. Ando

"Transmitter and Receiver": for the reduction of power consumption in satellite and mobile communications system. In 2010 the technique in this patent is adopted by the ITU-R standard No. ITU-R S.1878 "Multi-carrier Based Transmission Techniques for Satellite Systems". Also noted in ITU-R S.2173 (07/2010) "Multi-carrier based transmission techniques".

Patent 3: JP2011139294A (Granted, 2011)

Title: Transmitter and Receiver; CHATUE Algorithm

Inventors: K. Anwar, T. Matsumoto, and Z. Hui

To provide a technology for exchanging knowledge of interference between blocks to combine energy distributed in the past or future.

Patent 4: JP2012070196A (Granted, 2012)

Title: SC-FDMA without CP

Inventors: K. Anwar, T. Matsumoto, and Zhou Hui

To provide a wireless system of an SC-FDMA scheme without decreasing power efficiency and frequency utilization efficiency by performing subcarrier mapping capable of dealing with a plurality of users and making CP transmission is not required.

Patent 5: JP6097609B2 (Granted, 2017)

Title: Receiver and Receiving Method using Chained Turbo Equalization

Inventors: T. Matsumoto and K. Anwar, et al.

The present invention is a single-carrier frequency division multiple access (SC-FDMA) receiver in a wireless communication system schemes machine and a receiving method.

Patent 6: JP6286182B2 (Granted, 2018)

Title: Estimation Method and Estimating Apparatus for Unknown Transmitter.

Inventors: M. R. K. Aziz, K. Anwar, and T. Matsumoto.

The present invention relates to estimation techniques, Estimation method and estimation apparatus using the same estimate the position of the unknown source.

Patent 7: JP6396765B2 (Granted, 2018)

Title: Estimation Method and Estimating Apparatus for Unknown Transmitter with High Accuracy

Inventors: M. R. K. Aziz, K. Anwar and T. Matsumoto

To provide a technology of improving the position estimation accuracy.

Patent 8: JP6433386B2 (Granted, 2018)

Title: Estimation Method and Estimating Apparatus for Unknown Transmitter

Inventors: M. R. K. Aziz, K. Anwar and T. Matsumoto

To provide a technology that estimates a location of a wireless device serving an RSS-based transmission source without information on transmission power.

Patent 9: P00202105209 (Pending, 2021)

Title: Broadband Antenna for Network Recovery Post-Natural Disaster

Inventors: K. Anwar and Dammar A. S ujiansyah

The antenna may receive signals of 2G, 3G, 4G, and 5G for the frequency range of 0.8–3.3 GHz.

Patent 10: S00201908819 (Pending, 2021)

Title: Optimal Degree Distribution for Coded Random Access with MUD of 3 Users Capability

Inventors: Dio Resya Baaqi, Yusnita Rahayu, K. Anwar

MUD with $K = 3$ users is important to increase user capacity of almost 3 times.

Patent 11: EC00202264529 (Pending, September 2022)

Title: Implementasi Low Density Parity Check (LDPC) Pada CNC Multi Fungsi Interface Untuk Koneksi Dengan Station Laser, Station Milling Dan Station 3D Print

Inventors: Muhammad Chaerullah, Dr. Eng Khoirul Anwar dkk

Desain LDPC Codes untuk error correction pada sistem komunikasi dalam mesin CNC.

Patent 12: P00202209894 (Pending, September 2022)

Title: Teknik Pengkodean Kanal dengan Rate Adaptif untuk Teknologi Telekomunikasi Nirkabel

Inventors: Dr. Eng Khoirul Anwar, Citra Dewi Anggraeni

Invensi ini menemukan degree distribution untuk teknik pengkodean kanal dengan rate adaptif yang memiliki maksimum tiga suku dan pecahan dari satu bilangan penting untuk mendukung sistem komunikasi nirkabel dengan panjang blok yang pendek untuk menghemat daya.

BUDGET
ACQUISITIONS

1. ASEAN ADG-SOM on Digital Rural Development as the Principal Investigator with funding of about Rp900.000.000,-.
2. Kajian Harmonisasi Spektrum Frekuensi Menuju Spektrum Outlook 2025–2029 (HASHIRO), February–November 2024, with funding of about Rp1.000.000.000,-.
3. Beyond 5.5G Research for 5G-Advanced and 6G, May–December 2024 as Principal Investigator, with funding of about Rp4.200.000.000,-.
4. Pusat Kolaborasi Riset Teknologi Kuantum 2.0, May–December 2024, as Co-Investigator, with funding of about Rp.200.000.000,-.
5. Beyond 5.5G Research for 5G-Advanced and 6G, May–December 2023 as Principal Investigator, with funding of about Rp4.200.000.000,-.
6. Pusat Kolaborasi Riset Teknologi Kuantum 2.0, May–December 2023, as Co-Investigator, with funding of about Rp.136.000.000,-.
7. Kajian Harmonisasi Spektrum Frekuensi dengan Memanfaatkan Data, Teknologi, Alokasi Frekuensi Menuju Perencanaan Modern (SPEKTRAN), February–November 2023, with funding of about Rp876.000.000,-.
8. Quantum Multiple Access, International Matching Grant Project with MMU, Malaysia, Rp 80.000.000,-.

9. 5G-MERDEKA II, KedaiReka, Ministry of Higher Education and Research as principal investigator, 2022, Rp 838.000.000,-.
10. Pasopati-Quantum project funded by Kemendikbudristek, Jan-Dec. 2022, Rp 80.000.000,- (as The co-Investigator).
11. CODECERDAS-6G project funded by Kemendikbudristek, Jan-Dec. 2022, Rp 80.000.000,- (as The Principal Investigator).
12. HARUKA, Kominfo Project for Spectrum Harmonization of Future Main Technologies for Indonesia Towards Developed Country, Jan-Dec. 2022, Rp 900.000.000,- (as The Principal Investigator).
13. BRIN Research project on "Desain Dan Uji Model Sistem Persinyalan Kereta Cepat Indonesia", BRIN PRN, Indonesia, as the principal investigator, 2021–2022, budget of Rp 500.000.000,-
14. BRIN Research project on, "Sistem Komunikasi Untuk Wahana Terbang Berkecepatan Tinggi", BRIN PRN, Indonesia, as the principal investigator, 2021–2022, budget of Rp 600.000.000,-
15. Dynamic Spectrum Alliance (DSA), USA, as the principal investigator, 2021–2023, budget of Rp 200.000.000,-
16. Research Grant of LPDP RISPRO, Mei 2021– April 2022 on "*PATRIOT-Net: Prevention and Recovery Networks for Indonesia Natural Disasters based on the Internet-of-Things (IoT)*" as principal investigator, Rp 1.680.600.000,- (the third year).
17. 5G-MERDEKA, KedaiReka, Ministry of Higher Education and Research as principal investigator, 2021, Rp 821.983.000,-.
18. Research Support of Pusat Unggulan IPTEK Perguruan Tinggi (PUI-PT), 2020–2023 on "*The University Center of Excellence for Advanced Intelligent Communications (AICOMS)*", Rp 400.000.000,- (the second year).
19. HARUMI, Kominfo Project for Spectrum Harmonization of Future Technologies for Indonesia Towards Developed Country, Jan-Dec. 2021, Rp 890.000.000,- (as The Principal Investigator).
20. Dikti Project for Education During Pandemic COVID-19 (ADA-DIKTI-MCRBS), December 2020, Rp 1.000.000.000,- (As the Principal Investigator).
21. Research Support of Pusat Unggulan IPTEK Perguruan Tinggi (PUI-PT), 2020–2023 on "*The University Center of Excellence for Advanced Intelligent Communications (AICOMS)*", Rp 250.000.000,- (the first year).
22. Research Grant of LPDP RISPRO, March 2019– April 2021 on "*PATRIOT-Net: Prevention and Recovery Networks for Indonesia Natural Disasters based on the Internet-of-Things (IoT)*" as principal investigator, Rp 1.600.000.000,- (the second year).
23. International Research Grant of ASEAN IVO 2019–2021 on "*Prevention of 4 Disasters and Their Single Recovery Networks based on Internet-of-Things with Airborne Capability (PATRIOT-41R-Net)*" as principal investigator (Accepted in March 2018), with a budget of about Rp 570.000.000,- (2 years).
24. Research Grant of LPDP RISPRO, 2018– March 2019 on "*PATRIOT-Net: Prevention and Recovery Networks for Indonesia Natural Disasters based on the Internet-of-Things (IoT)*" as principal investigator, Rp 1.469.000.000,- (first year).
25. Research Grant form PT. KCIC on "*Signalling for High Speed Train*" as the principal investigator, with a budget of about IDR 340.000.000,-.
26. Research Grant of INSINAS, 2018–2019 on "*5G-POINT: Preparing Optimal 5G Indonesia Networks*" as principal investigator (Accepted in March 2018), with a budget of about IDR 166.000.000,- 2018–2019 (2 years).

27. Research Grant of RistekDikti, 2018–March 2019 on "*ZEBRA-CODES: Zigzag dECoding Based on RAptor CODES for active safety transportation*" as principal investigator (Accepted in Jan. 2018), with a budget of IDR 53.500.000,- per year, 2018–2019 (2 years).
28. Research Grant of LPDP RISPRO, 2018–March 2019 on "*PATRIOT-Net: Prevention and Recovery Networks for Indonesia Natural Disasters based on the Internet-of-Things (IoT)*" as principal investigator, Rp 1.469.000.000,- (first year).
29. Research Grant of EPSRC Global Challenges Research Fund 2017, Sept. 1, 2017– March 2018 on "*UK-Indonesia Collaborative Research on Reliable Heterogeneous IoT Networks for Indonesia Natural Disasters' Monitoring and Recovery Systems (RHENIuM)*" as co-investigator, Pound 15000 (\approx Rp 256.000.000,-).
30. Research Grant of Penelitian Hibah International, Telkom University, Sept. 1, 2016– Aug. 2019 on "*Polar-Raptor-Codes-Structured Super-Dense Wireless Networks for the Internet-of-Things: The Second Stage (PolarRaptor-IoT-2)*" with total budget of about Rp 18.000.000,-.
31. Research Grant of Penelitian Hibah International, Telkom University, Sept. 1, 2016– Aug. 2019 on "*Polar-Raptor-Codes-Structured Super-Dense Wireless Networks for the Internet-of-Things (PolarRaptor-IoT)*" with total budget of about Rp 120.000.000,-.
32. JSPS Grant-in-Aid for Scientific Research 2013–2017 (KAKENHI KIBAN KENKYU B) on "*STAR-CODE: STAR struCTured relaying for glObal wireless Data Exchange*" (as Principal Investigator) with budget of ¥17,290,000,-, Rp 2.243.183.495,-.
33. JAIST Research Grant 2016 (Houga) 2016–2017 on "*Polar-Raptor Codes-structured Wireless Networks*" (as Principal Investigator) with budget of ¥500,000,-, Rp 64.884.250,- .
34. European Commission, 7th Framework Programme, Small or medium-scale focused research project INFSO (STREP), Nov. 2013– Oct. 2016 (FP7-ICT-2013-11) on "*Links-on-the-fly Technology for Robust, Efficient and Smart Communication in Unpredictable Environments (RESCUE)*" with total budget of 5,223,055,- Euros, Rp 88.466.144.540,- (the budget is not transferable to Japan).
35. JSPS Grant-in-Aid for Scientific Research 2011–2014 (KAKENHI KIBAN KENKYU B) on "*Connect All with Turbo Codes: COATNET-2.*" (as Co-Investigator) with budget about ¥19,890,000,- (including indirect budget) , Rp 2.580.310.321,-.
36. JSPS Grant-in-Aid for Scientific Research 2010–2013 (KAKENHI KIBAN KENKYU C) on "*COoperative DEcision making based on Slepian-Wolf/multiple Access wireless Networks: CODE-SWAN.*" (as a Principal Investigator) with budget about ¥3,660,000,- (direct budget) Rp 474.853.160,-.
37. Research Grants 2011–2012 on "*Turbo Equalization for Single Carrier Frequency Division Multiple Access (TURBO-FREMA)*", (as a principal investigator) Chubu Electric Co, Ltd., with budget of ¥1,700,000,- (direct budget), Rp 220.560.211,-.
38. Research Grants 2009–2012 on "*Chained Turbo Equalization for Block Transmission (CHATUE)*", (as a principal investigator) Kinki Mobile Radio Center (MRC), with budget of ¥4,000,000,- (direct budget),Rp.518.798.199,-.

HONORS AND AWARDS

1. Best Paper Award for "Deep Learning-Based Demapper for Multiuser Detection", in 2024 IEEE Asia-Pacific Conference on Applied Electromagnetics, 21-23 December 2024, Langkawi, Malaysia.
2. Best Lecturer No. 1 of Telkom University, September 2022.
3. Best Paper on Molecular Communications at The 2021 IEEE 5th Symposium on Future Telecommunication Technologies (SOFTT2021), Bandung, December 2021.
4. Best Lecturer of Telkom University, August 2021.
5. Best Lecturer of Telkom University, August 2020.

6. TYATB Award 2019, OCBC NISP, August 2019.
7. Best Lecturer of Telkom University, August 2019.
8. Largest External Reserch Project Funding Rceipient in Telkom University, August 2019.
9. Best 10 Lecturers of 2018, Telkom University, December 2018.
10. Best Lecturer 2, Telkom University, September 2018.
11. IEEE Best Paper entitled "High-rate Coded Random Access for Non-Orthogonal Multiple Access with Human Priority", IEEE International Conference on Telematics and Future Generation Networks (TAFGEN), Kuching, Malaysia, July 2018.
12. Anugerah Ikon Prestasi Indonesia, Unit Kerja Presiden-Pembinaan Ideologi Pancasila (UKP-PIP), August 2017.
13. Anugerah Gubernur Jawa Barat for the category of "International Recognized Contributions", Kolokium BP3IPTEK, Jawa Barat, 15 December 2016.
14. IEICE English Session General Conference Award for Paper published with M. Nur Hasan entitled "Estimating Source Correlation Online in Massive Multiway Multirelay Networks", October 2016.
15. Achmad Bakrie Award XII (2014) for the category of "Outstanding Young Scientist", 10 December 2014.
16. One of ten Indonesian inventors, Tempo Magazine, August 2012.
17. Indonesian Diaspora "Award for Innovation", Congress of Indonesian Diaspora, Los Angeles, 6-8 July 2012.
18. Best Paper Presentation at International Conference on Sustainable future for Human Security and 186 Symposium on Humanosphere, Kyoto University, October 2011.
19. International Communications Foundation (ICF) Scholarship Award, 2006 – 2007.
20. Best Academic Contributions in Japan, Consulate General of Indonesia in Osaka, on behalf of Foreign Affair Ministry of Indonesia, August 2007.
21. 2nd Best Paper, The 16th Indonesian Scientific Conference, Kyoto University, August 2007.
22. Institute of Electrical and Electronic Engineering (IEEE) 3rd Best Student Paper in Radio and Wireless Symposium 2006 (RWS2006), California, USA, January 2006.
23. Travel Grant Award, Computer and Communications Conference Conference Award to Massachusetts Institute of Technology (MIT), 2004.
24. Best-Three Graduated Student, Institut Teknologi Bandung (ITB), October 2000.
25. Best Graduated Student in Faculty of Industrial Technology, Institut Teknologi Bandung (ITB), October 2000.
26. International Mathematics Olimpiad, representative of SMA Negeri 2 Kediri, 1995.

PUBLICATIONS IN
JOURNALS

1. H. L. M. Kee, N. Ahmad, M. A. M. Izhar, K. Anwar and S. X. Ng, "A Review on Machine Learning for Channel Coding," in IEEE Access, doi: 10.1109/ACCESS.2024.3412192. keywords: Channel coding;5G mobile communication;Wireless communication;6G mobile communication;3GPP;Artificial intelligence;Deep learning;Reinforcement learning;Federated learning;6G;5G advanced;wireless communications;artificial intelligence;channel coding;machine learning;deep learning;reinforcement learning;federated learning, June 2024.
2. Iswahyudi Hidayat, Linda Meylani, Khoirul Anwar, Adit Kurniawan, M. Sigit Arifianto, "Doubly Irregular Sparse Code Multiple Access for Highly Overloaded Networks", IEEE Access (Submitted 2nd round of Review)

3. Jenjen Ahmad Zaeni, Fandy Ali Muzhofi, Cecep Solehudin, Khoirul Anwar, Nanang Ismail, "Deriving Equivalent Structure of Elements for LDPC Codes Construction", *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 30, No. 1, pp. 144–156, April 2023.
4. Endah Setyowati, Syifaul Fuada, Khoirul Anwar, Muhamad Dzikri Danuarteu, Salwa Tasya Fathira Purba¹, Anggie Wijaya, "Introducing 6G Technology to support metaverse for telecommunication engineering students in Universitas Pendidikan Indonesia", *Journal of Community Empowerment*, Vol. 8, No. 22, pp. 210–222, DOI: 10.31603/ce.8075, p-ISSN: 2614-4964 e-ISSN: 2621-4024, Feb. 2023.
5. Novia Nurhidayah Prihatiningtyas, Khoirul Anwar, Aloysius Adya Pramudita, "Microstrip Rotman Lens for Mobile Base Station Backbone in Disaster Area Networks", Accepted in *International Journal on Advanced Science, Engineering, Information and Technology (IJASEIT)*, Vol. 12(2022), No. 4, pp. 1327–1334, December 2022.
6. Nisa Noor Amalia, Khoirul Anwar, Nachwan Mufti Adriansyah, "Peningkatan Kinerja Future Railway Mobile Communication System untuk Kereta Cepat Indonesia dengan Single Input Multiple Output - Doppler Spread Compensator", *Jurnal Penelitian dan Pengembangan Telekomunikasi, Kendali, Komputer, Elektrik, dan Elektronika*, Vol. 6, No. 1, pp. 28–34, July 2022.
7. Nachwan Mufti Adriansyah, Khoirul Anwar, Ikhfan Ammar Rangkuti, Dano Seto Anbela, Nisa Noor Amalia, Lia Suci Waliani, "Simple Doppler Spread Compensator for Future Railway Mobile Communication Systems (FRMCS)", *International Journal on Advanced Science, Engineering, Information and Technology (IJASEIT)*, January 2022.
8. Sulthon Muhammad Fauzi Aulia, Khoirul Anwar, and Nur Andini, "Channel Coding for Multimedia Transmission on High-Speed Flying Devices", *International Journal on Advanced Science, Engineering, Information and Technology (IJASEIT)*, Vol.11 (2021).
9. Nurul Huda Mahmood, Stefan Bcker, Ingrid Moerman, Onel A. Lpez, Andrea Munari, Konstantin Mikhaylov, Federico Clazzer, Hannes Bartz, OkSun Park, Eric Mercier, Selma Saidi, Diana Moya Osorio, Riku Jntti, Ravikumar Pragada, Elina Annanper, Yihua Ma, Christian Wietfeld, Martin Andraud, Gianluigi Liva, Yan Chen, Eduardo Garro, Frank Burkhardt, ChenFeng Liu, Hirley Alves, Yalcin Sadi, Markus Kelanti, JeanBaptiste Dor, Eunah Kim, JaeSheung Shin, GiYoon Park, SeokKi Kim, Chanhoo Yoon, Khoirul Anwar, and Pertti Seppenen, "Machine type communications: key drivers and enablers towards the 6G era", *EURASIP Journal on Wireless Communications and Networking*, 10 June 2021.
10. Enadevita Fitriyani, Khoirul Anwar, and Nachwan Mufti Adriansyah, "Investigating Suitable Multiple Access Techniques for Harbor Wireless Communication Systems", *International Journal on Advanced Science, Engineering and Information Technology (IJASEIT)*, November 2020.
11. Olyvia Fransiska Andriana, Khoirul Anwar, and Nachwan Mufti Adriansyah, "Simple Iterative Channel Coding and Modulation for Harbor Wireless Communications", *International Journal on Advanced Science, Engineering and Information Technology (IJASEIT)*, November 2020.
12. S. F. Nurbadri, K. Anwar, D. Arseno, "Study on Early Warning Systems (EWS) for Indonesia Digital", Accepted in *Journal of Measurements, Electronics, Communications, and Systems (JMECS)*, August 2020.
13. H. A. Mulyono, K. Anwar, and B. Prasetya, "On The Design of BCH Codes Polynomials for Digital Television DVB-T2 Broadcasting Systems", Accepted in *Journal of Measurements, Electronics, Communications, and Systems (JMECS)*, August 2020.
14. Robin Sinurat, Muhamad Rizki Maulana, Khoirul Anwar, and Nanang Ismail, "Study on Error Correction Capability of Simple Concatenated Polar Codes", *International Journal on Advanced Science, Engineering and Information Technology (IJASEIT)*, June 2020.

15. Dwi Juniarto, Khoirul Anwar, Dharu Arseno, "Communication System for High Speed Flying Devices with Repetition Codes", *Journal of Measurement, Electronic, Communication, and Systems*, April 2020. (<https://journals.telkomuniversity.ac.id/jmeecs>).
16. Bengawan Alfaresi, Zainudin Nawawi, Reza Firsandaya Malik, and Khoirul Anwar, "5G Channel Model for 28 GHz frequency in Palembang", *Journal of Physics: Conference Series*, Vol. 1500 (2020) 012001, 2019. (doi:10.1088/1742-6596/1500/1/012001).
17. Khoirul Anwar, Evander Christy, and Rina Pudji Astuti, "Indonesia 5G Channel Model Under Foliage Effect", *Buletin Pos dan Telekomunikasi*, Volume 17 No. 2 Dec. 2019, <https://online.bpostel.com/index.php/bpostel/article/view/170201>.
18. Bengawan Alfaresi, Zainudin Nawawi, Reza Firsandaya Malik, Khoirul Anwar, and Levy Olivia Nur, "Humidity Effect to 5G Performances Under Palembang Channel Model at 28 GHz", *Journal of SINERGI*, Vol. 24, No. 1, pp. 49–56, Feb. 2020. (<http://publikasi.mercubuana.ac.id/index.php/sinergi/article/view/6227>).
19. Khoirul Anwar, Ikhfan Ammar Rangkuti, Muhammad Hendra Maulana Sambas, dan Abdul Khamid Ridwanuddin, "Studi Sistem Komunikasi Nirkabel untuk Pensinyalan Kereta Cepat Indonesia", *Journal TRANSMISI (In Indonesian Language)*, Vol. 21, (3), pp. 61–69, July 2019, p-ISSN 1411-0814 e-ISSN 2407-6422, <https://ejournal.undip.ac.id/index.php/transmisi/article/view/23586>.
20. Md. Arafatur Rahman, S. Azadi, A. T. Asyhari, Md Zakirul Alam Bhuiyan, and Khoirul Anwar, "Collab-SAR: A Collaborative Avalanche Search-And-Rescue Missions Exploiting Hostile Alpine Networks", *IEEE Access*, July 2018 (**Scimago, Q1**).
21. A. Irawan, K. Anwar and T. Matsumoto, "Lossy Forwarding HARQ for Parallel Relay Networks", *Springer Wireless Personal Communications*, ISSN (Print): 0929–6212, ISSN (online): 1572-834X, Vol. 95, No. 2, doi:10.1007/s11277-016-3805-8, pp. 915–930, July 2017 (**Scimago, Q3**).
22. Ardimas Andi Purwita and Khoirul Anwar, "Massive Multiway Relay Networks Applying Coded Random Access", *IEEE Transaction on Communications*, DOI: 10.1109/ TCOMM. 2016. 2600562, ISSN: 0090-6778, Vol. 64, No. 10, pp. 4134–4146, October 2016 (**Scimago, Q1**).
23. M. Reza Kahar Aziz, K. Anwar and T. Matsumoto, "A new DOA-based Factor Graph Geolocation Technique for Passive Radio Wave Emitter Using a First-Order Taylor Series Approximation", *Eurasip Journal on Wireless Communications and Networking*, ISSN: 1687-1499, Vol. 2016:189, 18 August 2016, DOI: 10.1186/s13638-016-0683-4 (**Scimago, Q2**).
24. K. Wu, K. Anwar and T. Matsumoto, "BICM-ID-Based IDMA: Convergence and Rate Region Analyses", *IEICE Trans. on Communications*, ISSN (Online): 1745–1345, Vol. E97-B, No.07, DOI: <https://doi.org/10.1587/transcom.E97.B.1483>, pp. 1483–1492, July 2014 (**Scimago, Q3**).
25. Pen-Shun Lu, X. Zhou, K. Anwar, and T. Matsumoto, "Joint Adaptive Network-Channel Coding for Energy-Efficient Multiple Access Relaying", *IEEE Trans. on Vehicular Technology*, Print ISSN: 0018-9545, Electronic ISSN: 1939-9359, Vol. 63, No. 5, pp. 2298–2305, June 2014 (**Scimago, Q1**).
26. X. Zhou, Pen-Shun Lu, K. Anwar, and T. Matsumoto, "Correlated Sources Transmission in Orthogonal Multiple Access Relay Channel: Theoretical Analysis and Performance Evaluation", *IEEE Trans. on Wireless Communications*, Print ISSN: 1536-1276, Electronic ISSN: 1558-2248, Vol. 13, No. 3, pp. 1424–1435, March 2014 (**Scimago, Q1**).
27. Y. Takano, K. Anwar and T. Matsumoto, "Spectrally Efficient Frame Format-Aided Turbo Equalization with Channel Estimation", *IEEE Transactions on Vehicular Technology*, Print ISSN: 0018-9545, Electronic ISSN: 1939-9359, Vol. 62, No. 4, pp. 1635–1645, Dec. 2013 (DOI: 10.1109/TVT.2012.2230659) (**Scimago, Q1**).

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KEYNOTE SPEECH

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2. Khoirul Anwar, "Classical and Quantum Technologies for 5.5G and 6G: Error Correction, Machine Learning, and Cryptography", Presented at Sustainable Technopreneurship For Building a Modern Life in The Era of Society 5.0, PNJ, Jakarta, 30 November 2023.
3. Khoirul Anwar, "On Quantum Communications as Technology Enablers for IMT-2030 (6G)", Presented at Korea-Indonesia BRIN-POSTECH Physics Joint Workshop 2023, KST BJ Habiebie Serpong, Auditorium 720, 27 November 2023.
4. Khoirul Anwar, "Recent ITU Updates on Quantum Technologies for IMT-2030 (6G)", Presented at Seminar and Focus Group Discussion PKR Kuantum 2.0 KST BJ Habiebie Serpong, Auditorium 720, 23 November 2023.
5. Khoirul Anwar, "Memahami Trend Telekomunikasi 5.5G (2025) dan 6G (2030): Filosofi di Sini, Teknis di Kuliah", Presented at Telecommunication Incredible Talkshow and Spectacular Event (TREASURE) 2023, Bandung, 18 November 2023
6. Khoirul Anwar, "Fast and Smart Disaster Recovery Networks Using 5G-Advanced and 6G Mobile Base Stations with Physical Layer Artificial Intelligence and Quantum Machine Learning", Presented at ASEAN IVO FORUM 2023 Vientiane, Laos, 15 November 2023.
7. Khoirul Anwar, "A Chat With AI: Harnessing Technology for Scholarly Advancement Obtaining Phylosophy of 5G-Advanced and 6G", Presented at International Scholarship Webinars and National Information Technology Seminars UHO, Kendari, 12 November 2023.
8. Khoirul Anwar, "Visi Ilmu Pengetahuan dan Persiapan Technology Swing dalam Perancangan Kurikulum Teknik Elektro: Understanding Technology Trend 2023-2027", Presented at FGD Kurikulum 2024 Program Studi S1 Teknik Telekomunikasi Telkom University, Bandung (Virtual), 9 November 2023.
9. Khoirul Anwar, "Refreshment Training Kominfo", Presented Besar Pengujian Perangkat, Kemkominfo, 7-8 November 2023.
10. Khoirul Anwar, "Introduction to PUIPT AICOMS: Roadmap 2025 Towards Indonesia Golden Era 2045", Presented at Bali Besar Pengujian Perangkat Presented to Workshop PUIPT UNY 2023, Yogyakarta (Virtual), 3 November 2023.
11. Khoirul Anwar, "Aktualisasi Sumpah Pemuda Melalui Digitalisasi Pendidikan Menuju Indonesia Emas: Strategy to Complex World", Presented at Seminar Nasional MPP ICMI Bidang I dan ITB STIKOM Bali, Korea (Virtual), 30 October 2023.
12. Khoirul Anwar, "Memaknai Solidaritas untuk Palestina dengan Quantum Entanglement: Aplikasi Ilmiah pada Teleportation dan Quantum Superdense Coding", Presented at Two Hours with ASASI (THWA), Korea (Virtual), 28 October 2023.

13. Khoirul Anwar, "Classical and Quantum Communications in 5G-Advanced and 6G Networks", Presented at Kumoh National Institute of Technology, Gumi, South Korea, 27 October 2023.
14. Khoirul Anwar, "Peningkatan Kualitas Pendidikan Tinggi dengan Mengoptimalkan Teknologi dan Kecerdasan Buatan dalam Menghadapi Teknologi Industri 4.0 dan Society 5.0", Presented at Sidang Senat Terbuka PMB dan Studium General Universitas Halim Sanusi 2023-2024, Bandung, 23 September 2023.
15. Khoirul Anwar, "Desain Komunikasi Data Link Unmanned Aerial Vehicle (UAV) : Teknologi dan Inovasi Terkini (Day 1– Day 2)", Presented at BRIN Workshop Desain Komunikasi Datalink Unmanned Aerial Vehicle (UAV), Jakarta (Virtual), 18-19 September 2023
16. Khoirul Anwar, "Optimalisasi Peran Pemuda Dalam Peningkatan Kualitas Riset Secara Global", Presented at Webinar Nasional: Sains dan Teknologi, Depok (Virtual), 17 September 2023.
17. Khoirul Anwar, "Tadabbur atas Kebesaran Allah SWT pada Konsep Waktu: Memanfaatkan Masa Muda dan Kuliah", Presented at Penerimaan Mahasiswa Baru Muslim, Masjid TULT 2F, Bandung, 15 September 2023.
18. Khoirul Anwar, "Towards Digital-First Economy: Quantum Machine Learning and Quantum RAN for 6G", Presented at The 2023 AICOMS-Q Workshop on Quantum Theory, Development, and Business Bandung (Hybrid), 14 September 2023.
19. Khoirul Anwar, "New insights: Contributions To Indonesia from Indonesia vs Abroad", Presented at Memperingati 10 Tahun Memberi (Mentari), Osaka (Virtual), 9 September 2023.
20. Khoirul Anwar, "Introduction to Artificial Intelligence and Quantum Technology for 6G", The 8th IEEE Asia-Pacific Conference on Wireless and Mobile (APWiMob) 2023, Bali, Indonesia, 10–12 October 2023.
21. Khoirul Anwar, "Tadabbur atas Kebesaran Allah SWT Melalui Science: Memahami Konsep Waktu dalam Agama dan Ilmu Pengetahuan", Presented at Sarasehan Kamil Pasca ITB 2023 Salman ITB, Bandung, 27 Agustus 2023.
22. Khoirul Anwar, "Visi Ilmu Pengetahuan dan Persiapan Technology Swing dalam Perancangan Kurikulum Teknik Elektro: Understanding Technology Trend 2023-2027", Presented at FGD Kurikulum 2024 Program Studi Magister Teknik Elektro Telkom University, Bandung (Virtual), 16 August 2023.
23. Khoirul Anwar, "Contributions of Digital Technologies to The Digital Economy and Sustainable Development", Presented at National Conference Universitas Halim Sanusi II Bandung (Virtual), 12 August 2023.
24. Khoirul Anwar, "The 5G-Advanced and 6G: Technologies of Intelligence and Security for Life", Presented at The 3rd International Conference on Electronic and Electrical Engineering and Intelligent System (ICE3IS 2023) Yogyakarta, 10 August 2023.
25. Khoirul Anwar, "Preparing and Contributing to The Emerging Technologies of 5G-Advanced and 6G (IMT-2030)", Presented at UMY International Summer School 2023 Yogyakarta, 9 August 2023.
26. Khoirul Anwar, "Daya Dukung Infrastruktur Digital untuk Kreatifitas dan Inovasi", Presented at Festival Riset Ilmiah Manajemen dan Akuntansi (FRIMA), Bandung, 29 July 2023.
27. Khoirul Anwar, "Elevating Your Future: Preparing Digital Talent of Indonesia", Digiland 2023, Parkir Timur Plaza Surabaya, 23 July 2023.
28. Khoirul Anwar, "Mempersiapkan Kontribusi Pasca Kelulusan: Trend and Strategy", Presented at Wisuda Siswa SMK Telkom Bandung Angkatan 8 Hotel Horison Ultima, Bandung, 26 June 2023.
29. Khoirul Anwar, "Selalu Semangat Belajar dan Bekerja: Malas Pangkal Sengsara", Presented at Abdimas SSHQ Bandung, 24 June 2023.

30. Khoirul Anwar, "Strong Motivation Towards Leading in Science and Technology", Presented at Studium General of MITI-KM Congress Depok, 4 June 2023.
31. Khoirul Anwar, "Research & Writing Skills: Good in Writing A Scientific Paper in English and Bahasa Indonesia", Presented at Workshop of WriTeX 2023, Bandung, 2 June 2023.
32. Khoirul Anwar, "Leading in Science and Technology Towards Indonesia Emas 2045: Mempersiapkan Kontribusi Ilmu Pasca Kelulusan", Presented at Wisuda SMA Al-Hikmah Surabaya, Surabaya, 10 June 2023.
33. Khoirul Anwar, "Reinventing Humanity: Unlocking New Values of Telco Industry in 5G-Advanced and 6G", Presented at XL Axiata Technology Days 2023, Jakarta, 15 June 2023.
34. Khoirul Anwar, "The Secret of Quantum Fourier Transform (QFT) For Many Possible Future Applications", Presented at ZEMI of AICOMS May 2023, Bandung, 12 May 2023.
35. Khoirul Anwar, "Recent Updates on Our Research on High Speed Railway Signalling Technologies", Presented at IRSE International Conference IRSE Indonesia Section 2023, Bandung, 13 April 2023.
36. Khoirul Anwar, "Development and Innovation for RAN-MERDEKA Towards 5G-Advanced & 6G", Presented at Sharing Session Indonesia-Japan on Open RAN Deployment with Ministry of Information and Communication (MIC) Japan, Jakarta, 6 April 2023.
37. Khoirul Anwar, "Memahami Konsep Waktu dalam Agama dan Ilmu Pengetahuan", Presented at Ngabuburit Penuh Berkah 2023 - Alumni Suka Quran Se-Indonesia, Bandung (virtual), 2 April 2023.
38. Khoirul Anwar, "Memahami Konsep Waktu dalam Agama, Ramadhan, dan Ilmu Pengetahuan", Presented at Kajian Ramadhan Online KMI Ishikawa 2023 Ishikawa (virtual), 26 March 2023.
39. Khoirul Anwar, "Leading in Science and Technology in Era Society 5.0 Towards Advanced Indonesia 2045", Presented at Studium General of MITI-KM Congress, Depok, 11 March 2023.
40. Khoirul Anwar, "Coexistence Between 5G NR of XL and FSS of BRISat", Presented at Kominfo Jakarta (Virtual), 6 March 2023.
41. Khoirul Anwar, "Menyongsong Era Kecerdasan, Kecepatan, dan Keamanan: Artificial Intelligence dan Quantum Algorithm", Presented at Two Hours with ASASI (THWA), Bandung (Virtual), 4 March 2023.
42. Khoirul Anwar, "Action Points from MIRACLE Action Lab Towards Telkom University by 2028", Presented at Vice Rector Meeting, Telkom University, Bandung, 23 February 2023.
43. Khoirul Anwar, "Membangun Bangsa dari Kampus: Realisasi Mahasiswa Muslim sebagai Inisiator Pembangunan Peradaban", Presented at Inspiration Talks, Bandung (Physical), 21 Februari 2023.
44. Khoirul Anwar, "Mengagungkan Allah SWT Melalui Ayat-ayat Telekomunikasi", Presented at Majelis Taklim XL Axiata Masjid As Salam XLAT, Jakarta, 8 February 2023.
45. Khoirul Anwar, "Meneladani Hikmah Perjalanan Agung Nabi Muhammad SAW untuk Memperkuat Budaya HEI di Telkom University", Presented at Tabligh Akbar Isra Miraj 1444 H Masjid Syamsul Ulum, Telkom University, Bandung, 23 February 2023 (3 Syaban 1444 H).
46. Khoirul Anwar, "Mempersiapkan Generasi Berbudi di Era Lompatan Technology", Presented at Kuliah Umum STKIP Al-Hikmah Surabaya, Surabaya (Virtual), 1 February 2023.
47. Khoirul Anwar, "Roadmap of Open RAN Towards 6G", Presented at Meeting with The General Director of Standardization, Ministry of Communication and Information (Kemkominfo), Jakarta, 31 January 2023.

48. Khoirul Anwar, "5G-Advanced and 6G: Information Theory, Coding Theory, PHY Machine Learning, and Quantum Technology", Presented at Research Collaboration with GCU 2023, Virtual, 19 January 2023, 16 February 2023.
49. Khoirul Anwar, "How To Utilize the Design Thinking Process for Solutions: Invention and Innovation", Presented at Kuliah Umum Sustainable Innovation Fair SMA Highscope Jakarta TB Simatupang, Jakarta (Physical), 6 February 2023.
50. Khoirul Anwar, "Mempertanyakan Efek Radiasi Telekomunikasi Pada Kesehatan", Presented at Masjid Al-Barkah 2023, Bandung (online), 15 January 2023.
51. Khoirul Anwar, "Metaverse Immersive Virtual Universe in 5G-Advanced and 6G", Presented at Zemi of AICOMS 2023, Bandung, 13 January 2023.
52. Khoirul Anwar, "Matematika Sebagai Dasar Ilmu Pengetahuan: Belajar Dari Sejarah Ilmuwan Muslim", Presented at Temu Santri SSHQ 2022, Bandung, 23 December 2022.
53. Khoirul Anwar, "Peran Teknologi Informasi dan Komunikasi dalam Menjaring dan Meningkatkan Potensi Inovasi Anak Bangsa", Presented at AMKI Seminar Ilmiah Masjid IV, Salman ITB, Bandung, 24 December 2022.
54. Khoirul Anwar, "Indonesia DX Outlook 2023: From Digitization and Digitalization Toward Successful Digital Transformation", Presented at Digital Transformation Outlook 2022 Jakarta, 22 December 2022.
55. Khoirul Anwar, "Menghadapi Era 5G-Advanced, Metaverse, dan 6G Melalui Creative Industry, Digital Economy, and Entrepreneurship", Presented at Wisuda Institut Teknologi Telkom Jakarta (ITTJ) 2022, Jakarta, 18 December 2022.
56. Khoirul Anwar, "Introduction to The Future (Quantum) Internet and Their Impacts to Business", Presented at DBS TechTalk 2022, Bandung, 15 December 2022.
57. Khoirul Anwar, "Introduction to Quantum Grover's Search and Shor Algorithms", Presented at The 2022 AICOMS Quantum Workshop, Bandung, 10 December 2022.
58. Khoirul Anwar, "4G Communication In Rural And Remote Area: Challenges And Solution", Industry Forum in 2022 IEEE 6TH International Symposium On Telecommunication Technologies (ISTT2022), Johor Bahru, Malaysia, November 14–16, 2022.
59. Khoirul Anwar, "Development of Railway System", Focus Group Discussion for Signal Improvement and Demand Forecast from Jabodetabek Railway Capacity Enhancement Project, Bali, November 23–25, 2022.
60. Khoirul Anwar, "Artificial Intelligence for Channel Coding (AICC): From Classical to Quantum Communications", Presented at PKR Visit at Serpong and Cibinong 2022, Cibinong, 18 November 2022.
61. Khoirul Anwar, "Cinta Al-Quran dan Ilmu Pengetahuan: Menjadi Akademisi Kelas Dunia Menuju World-Class University", Presented at UNP Wirid Bulanan FMIPA UNP 2022, Padang (Physical), 7 November 2022.
62. Khoirul Anwar, "Kilas Balik Capaian Kedaireka 2022: Reka Podcast", Ministry of Higher Education and Research and Technology, Jakarta, December 6-20, 2022
63. Khoirul Anwar, "Tantangan Informatika di Era 5G-Advanced (2024), Metaverse (2026), dan 6G (2030)", Presented at Seminar Teknologi untuk Informatika, Telkom University Bandung, 4 November 2022.
64. Khoirul Anwar, "Menjadi Pemuda Muslim Beriman dan Berkarya untuk Bangsa dan Agama", Presented at UKM Moslems Station of Engineering (MOSTANEER) Bengkulu (Virtual), 19 November 2022.
65. Khoirul Anwar, "Awareness on The Development of Quantum Technology: Security and Business", Presented at Seminar of Bidang 4 Tahun 2022 Bandung, 20 October 2022.

66. Khoirul Anwar, "Contributing to The 5G-Advanced, 6G, and Quantum Cryptography", Presented at International Seminar of CIC & MASTEL & ZTE Indonesia 2022, Jakarta (Virtual), 18 October 2022.
67. Khoirul Anwar, "Prevention of 4 Disasters and Their Single Recovery Networks based on Internet-of-Things with Airborne Capability (PATRIOT-41R-Net)", Chulalongkorn University, Bangkok, November 30, 2022.
68. Khoirul Anwar, "Hikmah Pengembangan Ilmu Pengetahuan dan Teknologi dalam Pengembangan 5G dan 6G: AI dan Teknologi Kuantum", Presented at Pesona Sains dan Teknologi dalam Pendar Hikmah 2022 Bandung (Physical), 14 October 2022.
69. Khoirul Anwar, "Apapun Profesinya, Al-Quran Pegangannya Man Jadda Wajada: Tips Menuju Penuntut Ilmu Kelas Dunia", Presented at UNP Islamic Fair (UIF) 2022, Padang (Physical), 6 November 2022.
70. Khoirul Anwar, "Membangun Budaya Ilmiah Unggul", Presented at ASASI Live Zoom Seminar 2022, Bandung (Virtual), 1 October 2022.
71. Khoirul Anwar, "Tauhid dan Kemusyrikan: Pentingnya Pembinaan Islam", Presented at Islamic Motivation and Leadership Al-Fath (ISLAH) 2022: BIG CLASS 1, Bandung, 16 October 2022.
72. Khoirul Anwar, "Menyongsong 5G-Advanced, Metaverse, dan 6G", Presented at In House Training 5G Technology for The Future, Jakarta, 30 September 2022 (Afternoon).
73. Khoirul Anwar, "Mengenal Teknologi 5G dan Berbagai Aspeknya", Presented at In House Training 5G Technology for The Future, Jakarta, 30 September 2022 (Morning).
74. Khoirul Anwar, "Menyongsong Indonesia Emas 2045 dengan Elektro dan Telekomunikasi 5G, 5G-Advanced, 6G, dan Metaverse", Presented at Seminar Motivasi Elektro UMY Yogyakarta, Yogyakarta, 27 September 2022.
75. Khoirul Anwar, "Contribute to The Nation via Harmony, Excellence, Integrity (HEI) Spirit", Presented at Gerakan Subuh Jamaah Nasional Masjid Syamsul Ulum (MSU), Telkom University Bandung (Physical), 25 September 2022.
76. Khoirul Anwar, "Ready To Be Golden Generation In Facing The Influence Of IPTEKS In Society 5.0: Opportunity or Challenge", Presented at Webinar H-VI 2022 Himpunan Mahasiswa Teknik Industri Bandar Lampung (Virtual), 12 November 2022.
77. Khoirul Anwar, "Mengenal Konektivitas 6G dalam Mendukung Metaverse", Presented at Kuliah Umum UPI Purwakarta 2022 Bandung, 26 September 2022.
78. Khoirul Anwar, "Manajemen Stres di Dunia Profesi dan Keluarga", Presented at Training Spiritual Masjid Syamsul Ulum, Telkom University Bandung (Physical), 23 September 2022.
79. Khoirul Anwar, "Research & Writing Skills: Good in Writing A Scientific Paper is Started from Being Good in Bahasa Indonesia", Presented at Workshop of WriTeX 2022, Bandung (online from Bangkok), 18 September 2022.
80. Khoirul Anwar, "On The Design of Roadmap of RAN MERDEKA (OPEN RAN): Towards QUANTUM RAN-MERDEKA", Presented at Perumusan Rancangan Peta Jalan Implementasi OpenRAN di Indonesia. Bandung (Virtual), 14 September 2022.
81. Khoirul Anwar, "Introduction to Quantum Information Theory and Coding Theory", Presented at Webinar Series of International Matching Fund Project 2022 (Tel-U and MMU) Joint Quantum Key Distributions (QKD) and Channel Coding for Secure Sparse Code Multiple Access (SCMA) Applied in Quantum Satellite and Unmanned Aerial Vehicle (UAV) Communications (SCMA-Q-SAT) Bandung (Virtual), 12 September 2022.
82. Khoirul Anwar, "On The Preparation of Quantum IKN", Presented at Meeting 2022, Hotel Hilton Bandung, 27 August 2022.

83. Khoirul Anwar, "Research & Writing Skills: Good in Writing A Scientific Paper is Started from Being Good in Bahasa Indonesia", Presented at Paragon Inspiring Lecturer 2022, Jakarta (online), 3 September 2022.
84. Khoirul Anwar, "Mempersiapkan Indonesia Maju 2045: Maju Masyarakatnya dan Maju Ilmu Pengetahuannya", Presented at Webinar KAMMI Daerah Kota Bengkulu, Bengkulu (Virtual), 27 Agustus 2022.
85. Khoirul Anwar, "Membangun Masyarakat Mandiri Pasca Pandemi: Kemandirian Dalam Keamanan dan Digital-First Economy", Presented at UNRI Seminar Nasional Pemberdayaan Masyarakat, Riau, 9 November 2022.
86. Khoirul Anwar, "Strategi Mendapatkan Research Grant dari Luar Negeri", Presented at Kuliah Tamu Astra Polytechnic 2022, Cikarang, 29 July 2022.
87. Khoirul Anwar, "Membandingkan Karir di Indonesia dan di Luar Negeri: Academic Viewpoints", Presented at Career Talks 2022, Bogor (Online), 30 July 2022.
88. Khoirul Anwar, "5G-MERDEKA for Disaster Recovery Networks and Online-based Education at Blankspot Areas", Presented at TIP Indonesia 5G and Digital Connectivity Workshop 2022, Bandung, 11 July 2022.
89. Khoirul Anwar, "Introduction to The Epic Metaverse", Presented at Seminar Nasional UNISBA 2022, Bandung, 25 June 2022.
90. Khoirul Anwar, "Invest Your Youth, Harvest Your Growth : Capture Your Own (Potencies), Capture Your Best Portfolio, Presented at ICB Closing BM 2022, Bandung (Virtual), 19 June 2022.
91. Khoirul Anwar, "5G-MERDEKA: 5G Implementation in Indonesia for Disaster Recovery Networks and Online-based Education at Blankspot Areas", Presented at Indonesia 5G and Digital Connectivity Workshop 2022 US Embassy, Jakarta, 29 June 2022.
92. Khoirul Anwar, "Quantum Communications: Introduction to Error Corrections and Security for Future Transmissions", Presented at IEEE ComSoc School Series Kuala Lumpur Virtual Event 2022, Kuala Lumpur (Virtual), 22 June 2022.
93. Khoirul Anwar, "Tren Perkembangan Teknologi Masa Depan: 5G-Advanced dan 6G dengan Artificial Intelligence dan Quantum Communications untuk Menjamin Security Masa Depan", Presented at Kuliah Tamu Polban 2022, Pendopo Tonny Soewandito, Polban, Bandung, 4 June 2022.
94. Khoirul Anwar, "Current Research on Advanced Telecommunications in Telkom University", Presented at International CIC-MASTEL-Tel-U Meeting, Jakarta (Virtual), 25 May 2022.
95. Khoirul Anwar, "Tren dan Perkembangan Teknologi Telekomunikasi Masa Depan: 5G-Advanced dan 6G dengan Artificial Intelligence, Quantum Communications, dan Optical Angular Momentum (OAM) Multiplexing untuk Mencapai Tbps Transmission", Presented at Workshop Pengembangan Kurikulum Sarjana Teknik Telekomunikasi, Program Studi Teknik Telekomunikasi, ITTelkom Surabaya, 30 May 2022.
96. Khoirul Anwar, "From Allah to Allah", Presented at Be The New You: ICB BM 2022, Bandung (Virtual), 15 April 2022.
97. Khoirul Anwar, "Ilmuwan Muda untuk Pembangunan Bangsa", Presented at Rakor Nasional Pengurus MITI KM 2021-2022, Tangerang (Virtual), 14 April 2022.
98. Khoirul Anwar, "Peran Inovasi dari Sektor Telekomunikasi 5G dan 6G serta Potensi Paten dari Indonesia", Presented at HK ExperTalk Webinar Series ke-8: Meningkatkan Daya Saing Bangsa melalui Inovasi Lintas Sektor: Grow Your Ideas for Better Indonesia Jakarta (Virtual), 25 April 2022.
99. Khoirul Anwar, "Meraih Lailatul Qadr pada Malam ke-23 Melalui Tafakur atas Ayat Kauniyah Ilmu Pengetahuan dan Teknologi", Presented at Masjid Syamsul Ulum, Telkom University, Bandung (Physical), 24 April 2022.

100. Khoirul Anwar, "Meningkatkan Kualitas Iman Melalui Tafakur Teknologi Quantum 6G: Entanglement and Teleportation", Presented at Masjid Al-Muslih, Bandung (Physical), 23 April 2022.
101. Khoirul Anwar, "Hikmah Algoritma Machine Learning dan Quantum pada 5G dan 6G untuk Meningkatkan Iman dan Taqwa", Presented at Sore Berilmu AIDI 2022, Jakarta (Virtual), 19 April 2022.
102. Khoirul Anwar, "Integrasi melalui Al-Burhan dan Al-Isyarah: Kajian dalam Teknologi Telekomunikasi 5G dan 6G", Presented at Webinar Nasional Integrasi Islam, Sains, dan Teknologi 2022, Bandung (Virtual), 14 April 2022.
103. Khoirul Anwar, "Pentingnya Ilmu Pengetahuan Sebagai Modal Selamat Dunia dan Akhirat", Presented at Abdimas di Sekolah Saudagar Hafizh Quran (SSHQ), Bandung, 9 April 2022.
104. Khoirul Anwar, "Emerging Technologies for Cybersecurity T20", Presented at T20 Webinar Goesmart 2022: Recover Together Recover Stronger 2022, Bandung, 8 April 2022.
105. Khoirul Anwar, "Mempersiapkan ASN Kabupaten Kediri Menuju Transformasi Digital", Presented at Webinar Pre-Launching Panji Corpu 2022, Kediri, 4 April 2022.
106. Khoirul Anwar, "How To Make Our Journal Paper Manuscript Accepted", Presented for Journal Coaching 2022, Pascasarjana Telkom University, Bandung, 26 March 2022.
107. Khoirul Anwar, "Kiat Generasi Muda Mempersiapkan Era Society 5.0", Presented at Electrical Shockwave 2022, Bandung, 23 March 2022.
108. Khoirul Anwar, "Teknologi Pemulihan Jaringan Telekomunikasi 2G, 3G, 4G, 5G dan Teknologi Penemuan Korban Segera Pasca Bencana Alam Terjadi", Kolokium Meteorologi, Klimatologi, dan Geofisika (KOMIKA) SERIES 6, 15 March 2022.
109. Khoirul Anwar, "Menyongsong Era 6G Dengan Teknologi Artificial Intelligence, Quantum Information, and Optical Angular Momentum (OAM) Multiplexing untuk Mencapai Tbps Transmission", Presented at Studium General S1 Teknik Telekomunikasi 2021/2022 Bandung, 10 March 2022.
110. Khoirul Anwar, "Automation Technologies for Train Operations", Presented at Webinar GoA3 untuk LRT Jabodebek 2022, Jakarta (Virtual), 17 February 2022.
111. Khoirul Anwar, "Bahagia dan Sukses Studi S2 dan S3: Dari Pola Studi Sampai Teknologi", Penyambutan Mahasiswa Baru Pascasarjana Telkom University 2021/2022, Bandung, 12 February 2022.
112. Khoirul Anwar, "TIP CL@Telkom University: Connectivity Improvements to Rural and Urban Areas", Webinar and Talkshow 1st Anniversary TIP CL @ Telkom University 2022, Bandung, 2 February 2022.
113. Khoirul Anwar, "Towards Open RAN Commercialization", Coordination of 5G Open RAN Meeting 2021, Bandung, 27 January 2022.
114. Khoirul Anwar, "GSM-R Technology for CTCS: Safety Aspects Due To High Speed and Interferences", Webinar Direktorat Prasarana Perkeretaapian 2022, Jakarta (Virtual), 25 January 2022.
115. Khoirul Anwar, "Adab Terbaik Dalam Bekerja: As A Member and As Leader", Onboarding Pegawai Baru Dosen Profesional Telkom University 2022, Bandung, 24 January 2022.
116. Khoirul Anwar, "Digital Security and Digital Transformation", Internal Meeting Kemenkominfo-Unpad G20 2022, Bandung (Virtual), 14 January 2022.
117. Khoirul Anwar, "Trends Future Telecommunications: 6G and Metaverse", Sekar Telkom, Bandung, 5 Januari 2022.
118. Khoirul Anwar, "Urgency to Networking and International Collaborations Towards Impactful Technology Implementations", Sharing Session Pusat Teknologi Lingkungan 2021, Jakarta (Virtual), 15 December 2021.

119. Khoirul Anwar, "Perlindungan Data Pribadi di Social Media: Technological Aspects", KEMA Berdiskusi 2021, Bandung (Virtual), 20 December 2021.
120. Khoirul Anwar, "Trends and Research Topics on 5G and 6G Wireless Communications", TELECOMMUNICATION SEMINAR AND WORKSHOP SERIES (TELESCOPE) Bandung (Virtual), 16 December 2021.
121. Khoirul Anwar, "5G-MERDEKA Karya Anak Bangsa", Webinar of Reserch Project of 5G-NR SA Development for Greenfield Industry, Bandung (Virtual), 13 December 2021.
122. Khoirul Anwar, "Preparing The 6G Technology Enablers: From Where We Start ?", Kelas VI Universitas Telkom, Bandung (Virtual), 10 December 2021.
123. Khoirul Anwar, "Memiliki Adab Terbaik Dalam Bekerja", Pembekalan TPA Telkom University 2021, Bandung, 8 December 2021.
124. Khoirul Anwar, "Impactful Research: Menjadi Akademisi & Inventor Berdampak", Webinar Series 3 pada rangkaian pertemuan IMUSKA Group Discussion Korea (Virtual), 4 December 2021.
125. Khoirul Anwar, "Internet-of-Things Security and Privacy", Unpad Electrical Eng. International Virtual Class, 4 December 2021.
126. Khoirul Anwar, "Era Digital dan Orang-orang Munafiq: Memaknai Al-Baqarah 1-20", Jumat Mubarakah UNP Padang (Virtual), 3 December 2021.
127. Khoirul Anwar, "Telaah Mujizat Al-Quran di Era 4.0", FT Unand Maulid Nabi 1443 H Padang (Virtual), 22 October 2021.
128. Khoirul Anwar, "Successful Digital Transformation Towards Indonesia 2045: (Quantum), AI, Blockchain and Big Data", National Data Summit, Bandung, Telkom University, 21 November 2021.
129. Khoirul Anwar, "Isyarat Al-Quran untuk Sains dan Teknologi: Pengembangan 5G dan 6G", UIN SGD Seminar Nasional Sains dan Teknologi 2021 Wahyu Memandu Ilmu, Bandung, 16 November 2021.
130. Khoirul Anwar, "On the Preparation for 5G Railway FRMCS: Frequency Band and Doppler Spread Compensator for 500 km/h", ITB 5G Technologies for High-Speed Railway Seminar 2021, Bandung, 7 November 2021.
131. Khoirul Anwar, "Common Mistakes in Scientific Writing Towards Literature Review-based International Publications", E-Workshop on International Publications Based on Literature Review 2021, Unit Klinik Publikasi Ilmiah, USU, Medan, 5 November 2021.
132. Khoirul Anwar, "Research on Wireless Signalling in Indonesia", FGD1 WBS Signaling Kereta Cepat Indonesia, Bandung, 2 November 2021.
133. Khoirul Anwar, "Indonesia Programs on APT Strategic Plan", PUSKI Socialization on Work Plan and Priorities for ASEAN and ASIA PACIFIC, Banten, 1 November 2021.
134. Khoirul Anwar, "Introduction to OpenRAN: The Adoption in Indonesia", Telkomsel OpenRAN Adoption, Virtual Meeting, 1 November 2021.
135. Khoirul Anwar, "Literacy on Digital Transformation, Industrial Revolution 4.0, Society 5.0: Inventions or Innovations", BEM FIT Seminar Literasi 2021, Bandung (Virtual), 30 October 2021.
136. Khoirul Anwar, "Understanding Digital Transformation, Industrial Revolution 4.0, Society 5.0: Some Flagship Products", Kuliah Kebangsaan: Akselerasi Pendidikan Digital Makassar (Virtual), 24 October 2021.
137. Khoirul Anwar, "SDM dan Teknologi Untuk Dikembangkan Menuju Indonesia 2045", Seminar ICT EXPO 2021 Jawa Timur, 24 October 2021.
138. Khoirul Anwar, "Research Novelty for Scopus-Indexed Journals", Seminar Online (Webinar) Sekolah Ilmiah Pascasarjana (SIP) 2021, Semarang, 23 October 2021.

139. Khoirul Anwar, "Memahami An-Nur: 26 dengan Quantum Entanglement", ASASI Maulid Nabi 2021, Bandung (Virtual), 20 October 2021.
140. Khoirul Anwar, "Inovasi Teknologi Anak Bangsa Menuju Indonesia Emas 2045", Webinar Nasional of ICMI Jabar 2021, Bandung (Virtual), 19 October 2021.
141. Khoirul Anwar, "Transformasi Digital Menuju Indonesia Maju: Quantum, AI, dan Blockchain Technologies", Seminar Nasional Teknologi Informasi dan Komunikasi 2021, Medan (Virtual), 16 Oktober 2021.
142. Khoirul Anwar, "Al-Quran Inspirasi Keilmuan Seorang Muslim", Studium General CEKRI Pancing Raya Unimed, Medan (Virtual), 15 October 2021.
143. Khoirul Anwar, "Teknologi Masa Depan dari Anak Negeri dan Tantangannya: PATRIOT-Net (2G, 3G, 4G, 5G), B5G (6G), OTH, Quantum Comm and Security, Riau, Dies Natalis Universitas Riau ke-59, 12 October 2021.
144. Khoirul Anwar, "Pemuda Islam Zaman Now & Muslim Achievement" ,Disampaikan pada Islamic Motivation and Leadership Al-Fath (ISLAH) 2021, Bandung, 3 Oktober 2021.
145. Khoirul Anwar, "The Importance of Strategic Plan on Technology Development: 5G, 6G, IR4.0, S5.0 and Digital Transformation Towards Indonesia 2045", Presented at Webinar of International Development Discussion, UNRAM, 2021 University of Mataram (Virtual), 2 October 2021.
146. Khoirul Anwar, "Memahami Kebersamaan (Everywhere, Everytime) dengan Allah SWT Melalui Teknologi Enabler 6G: Quantum Entanglement", Presented at Open House Al-Fath FTE 2021 Bandung (Virtual), 26 September 2021.
147. Khoirul Anwar, "Introduction to Quantum Information Theory for Quantum Communications", Presented at AICOMS Quantum Technology 2021 Bandung (Hybrid), Telkom University, 18 September 2021.
148. Khoirul Anwar, "Innovations and 5G & 6G Challenges Towards The Phylosophy of Digital Transformation", Presented at Seminar Nasional Teknik Elektro dan Informatika 2021, Makassar (Hybrid), 21 September 2021.
149. Khoirul Anwar, "Developing Technologies and Competencies for Indonesia 2045", Presented at Webinar Nasional Kalijaga Innovation and Research Competitions 6 (KIST 6), Forum Kajian Islam dan Sains Teknologi (FKIST) Yogyakarta (Virtual), 12 September 2021.
150. Khoirul Anwar, "Al-Quran Sumbernya Sains", Presented at Islamic Festival, Penerimaan Mahasiswa Baru (PMB) 2021 Bandung (Virtual), 8 September 2021.
151. Khoirul Anwar, "Big Data, Artificial Intelligent, and Quantum Technology for Demography Analysis Towards Successful Digital Transformation", Presented at The 2021 Binding Information Through Demography and Civil Registration Conference (BIOMETRIC) Surakarta (Virtual), 4 September 2021.
152. Khoirul Anwar, "Indonesian Generation Z: How to Prepare and Be Ready for The Future Technologies", Presented at Webinar Seminar Nasional Politeknik Negeri Lampung Lampung (Virtual), 29 August 2021.
153. Khoirul Anwar, "Avoiding Common Mistakes in Scientific Writing", Presented for Paragon Inspiring Lecturer 2021 Bandung (Virtual), 28 August 2021.
154. Khoirul Anwar, "Success Story and Research", Presented at Webinar LPDP GENERASI TANGGUH UNTUK INDONESIA BERTUMBUH" PERINGATAN HUT RI KE-76 Bandung (Virtual), 23 August 2021.
155. Khoirul Anwar, "Digital Transformation and Business: When Quantum Meets Artificial Intelligence ", Presented at Webinar Pre-Conference ICE3IS and ICITAMEE 2021: Intelligent System for Sustainable Dev. Bandung (Virtual), 19 August 2021.

156. Khoirul Anwar, "Quantum Technology: Theory, Development, and Business In The Near Future", Presented at WR4 Inspirasi Merajut Mimpi Tel-U Periode tahun 2023-2028 Bandung (Virtual), 18 August 2021.
157. Khoirul Anwar, "Langkah Sukses Menulis Tugas Akhir, Thesis, dan Disertasi", Presented for IImy Telkom University 2021 Bandung (Virtual), 14 August 2021.
158. Khoirul Anwar, "Merencanakan Kesuksesan Dalam Karier di Akademia", Presented at PPKM Tahan Banting 2021 Bandung (Virtual), 14 Agustus 2021.
159. Khoirul Anwar, "On The Progress #5 of Indonesia Open RAN 2021", Presented at 5G Open RAN Meeting 2021 Bandung (Virtual), 12 August 2021.
160. Khoirul Anwar, "IoT untuk Pendidikan dan Transformasi Digital dengan 5G dan 6G", Presented at SMK Telkom Webinar on IoT for Education 2021, Indonesia (Virtual), 8 August 2021.
161. Khoirul Anwar, "Kontribusi Dalam Sains dan Teknologi Untuk Peradaban Islam", Presented at KAJIAN QURAN AND RESEARCH AL-BAHRAIN FPIK UNDIP 2021, Semarang (Virtual), 31 July 2021.
162. Khoirul Anwar, "Deep Learning Towards The Future Machine", Launching Deep learning book, 29 July 2021.
163. Khoirul Anwar, "Elevating Together: Infrastructure New Paradigm for Winning Future", Global Infrastructure Investment Forum 2021 (GIIF), 29 July 2021.
164. Khoirul Anwar, "Trend and Research Topics on 5G and 6G Wireless Communications", IEEE Telkom University, 27 July 2021.
165. Khoirul Anwar, "Mengenal 5G: Perkembangan 5G di Indonesia", WEBINAR "The Power of Technology", Himpunan Mahasiswa Elektro UHAMKA, 3 Juli 2021.
166. Khoirul Anwar, "Memaksimalkan Keahlian di 5G Menuju Kemandirian di 6G Tahun 2030", 5G dan Peran Insinyur Elektro dalam Mengembangkan Transformasi Digital Indonesia, Badan Kejuruan Elektro (BKE)-Persatuan Insinyur Indonesia (PII)- IEEE Indonesia, 26 June 2021.
167. Khoirul Anwar, Workshop Kurikulum Program Studi Teknik Elektro Institut Teknologi Sumatera (ITERA), Jurusan Teknologi Produksi dan Industri, ITERA, 24 Juni 2021.
168. Khoirul Anwar, "Spiritual and Digital Intelligence", JTK Spiritual Inspiration, Jurusan Teknik Komputer dan Informatika, Politeknik Negeri Bandung, 8 Mei 2021.
169. Khoirul Anwar, "Advanced Wireless Communication Communication in Mobile System", Online Joint Class in Management, Engineering, and Design, Telkom University, UniKL, MAPUA University, 19 May 2021.
170. Khoirul Anwar, "Urgensi SAINS dalam Pandangan Islam", Silaturahmi Online Jamaah Shohibul-wafa, 1 Mei 2021.
171. Khoirul Anwar, "Webinar: Sains dan Teknologi dalam Al-Qur'an", DKM Al Jihad Universitas Padjadjaran (UNPAD) Bandung, 2 Mei 2021.
172. Khoirul Anwar, "Al-Qur'an dan Budaya Ilmu Pengetahuan", Ba'da Subuh-Masjid Qalbun Salim, 24 April 2021.
173. Khoirul Anwar, "Islam dan Ilmu Pengetahuan", Kajian Dosen dan Tendik, Masjid Raya At-Tanwir ITERA, 25 April 2021.
174. Khoirul Anwar, "Menjadi Muslim yang Produktif dan Profesional", Webinar Ramadan, Keluarga Muslim Indonesia Sendai (KMIS) Jepang, 18 April 2021.
175. Khoirul Anwar, "Urgensi Sains dalam Pandangan Islam", Kajian Spesial Ramadhan, Masjid Al Fath D'Amerta Residence, 17 April 2021.
176. Khoirul Anwar, "TECHNOLOGY DAYS XL, Axiata Roads to 5G: Embracing The New Technology Evolution", XL Axiata, 2021

177. Khoirul Anwar, "5G And IOT Webinar", Telco 5th Generation (TG5), 28 Maret 2021.
178. Khoirul Anwar, "Cara Berkontribusi Tingkat Dunia dalam Bidang Telekomunikasi: Teknologi 5G, 6G, dan turunannya", Studium Generale Genap 2020-2021, Prodi Teknik Telekomunikasi, Telkom University, 19 Maret 2021.
179. Khoirul Anwar, "Mempersiapkan Diri di Era Serba Cerdas: On The Self-Preparation to The Era of Smart Everything", Penyambutan Mahasiswa Baru Pascasarjana Telkom University 2020/2021, Zoom Online Meeting, 13 Februari 2021.
180. Khoirul Anwar, "The Best Way for Mahasiswa (Tema: Pengembangan Diri)", Telkom University, 31 Januari 2021.
181. Khoirul Anwar, "Academic Writing for Engineering", Academic Writing Workshop, International Class Academic Office (ICAO), Telkom University, Virtual, 28 Januari 2021
182. Khoirul Anwar, "Preparing AWG-27", Rapat Persiapan AWG-27, Bandung (Virtual), 23 January 2021
183. Khoirul Anwar, "Bagaimana Mencetak Cendekiawan Muda Muslim Indonesia", Webinar: Inovasi IPTEK ICMI JABAR AWARD: Dalam Pengembangan Era Digital dan Kolaborasi dengan Perguruan Tinggi, ICMI Wilayah Jawa Barat, Bandung, 22 December 2020
184. Khoirul Anwar, "Revolution of Technology", A History of Technology Development Webinar, DesTech, 19 Desember 2020.
185. Khoirul Anwar, "Strategy Mendapatkan Research Grant dari Luar Negeri", Webinar of Kopertip Indonesia, Bandung, 17 December 2020
186. Khoirul Anwar, "Concluding Remarks: Telkom University TIP Lab", OpenRAN for ICT Business in Southeast Asia, 17 December 2020
187. Khoirul Anwar, "NEW NORMAL: Angin Perubahan Bisnis Internet", Berita Satu News Channel, 3 Desember 2020, Pukul 20:05 - 21:00.
188. Khoirul Anwar, "Welcome to OpenRAN for Future Indonesia", Panel Discussion of Indonesia Ecosystem of Telecom Infra Project (TIP) Lab, 30 November 2020
189. Khoirul Anwar, "Suka dan Duka Mengembangkan Teknologi Telekomunikasi Masa Kini dan Masa Depan: 2G, 4G, 5G, dan 6G", Vooya Dacha Kucha Playroom 2020, Bandung (Virtual), 29 November 2020
190. Khoirul Anwar, "The Principle of Reviewers: Learning from The IEEE International Journals, Universitas Negeri Padang (UNP), Virtual Seminar, 22 November 2020
191. Khoirul Anwar, "Keywords of Industrial Revolution and Society 5.0", National Data Summit (NDS2020), Virtual Conference, Telkom University, Bandung, 22 November 2020
192. Khoirul Anwar, "5G Devices and Ecosystem: The Design for Indonesia", Kominfo 5G Task Force of WG Devices and Ecosystem, Virtual Meeting, 17 November 2020
193. Khoirul Anwar, "Tantangan Ilmuwan Muslim 5.0: Menjadi Inventor Berdampak", Webinar Intelektual Muda - Forum 3 BMKA Salman ITB, 15 November 2020
194. Khoirul Anwar, "Membangun Roadmap Penelitian Berkualitas", Academic Writing & Desain Penelitian, Program Persiapan Keberangkatan (PK) bagi penerima beasiswa LPDP PK-166, 11 November 2020
195. Khoirul Anwar, "Common Mistakes in Scientific Writings", Academic Writing & Desain Penelitian, Program Persiapan Keberangkatan (PK) bagi penerima beasiswa LPDP PK-166, 11 November 2020
196. Khoirul Anwar, "Ummat Islam Tahun 2000 dan (Prediksi) Tahun 3000: Inspirasi dan Warning untuk Saintis Muslim 5.0", Webinar Islamic Scientific Training, Departemen MIBKI Madani, UNDIP, 7 November 2020

197. Khoirul Anwar, "Curriculum Updates: On the View to Future Technologies", Rapat Tinjauan Kurikulum Magister Teknik Elektro Univ. Mercubuana (Virtual), 6 November 2020
198. Khoirul Anwar, "Internet of Things: Security and Privacy", Webinar Kuliah Umum Teknik Elektro UNPAD, Bandung, 4 November 2020
199. Khoirul Anwar, "Diskusi Mendikbud dan Dirjen Dikti dengan Stakeholder", Merdeka Belajar 6 Transformasi Dana Pemerintah Untuk Pendidikan Tinggi, Dikti, 3 November 2020
200. Khoirul Anwar, "Meneladani Rasulullah dengan Berkarya: Rasulullah Sebagai Tokoh Paling Berpengaruh di Dunia-Tahun 2000 dan (Prediksi) Tahun 3000, Webinar Maulid Nabi, Hari Santri, dan Sumpah Pemuda, KMNU ITB, Bandung, 3 November 2020.
201. Khoirul Anwar, "Introduction to OpenRAN", Kominform, Bandung, Virtual Meeting, 2 November 2020.
202. Khoirul Anwar, "Innovations on Telecommunications Infrastructure for Indonesia During and After Covid-19: MCRBS and OpenRAN for 5G/6G", Sriwijaya Seminar Inovatif Kreatif, UNSRI (Virtual Seminar), Palembang, 30 October 2020.
203. Khoirul Anwar, "Towards Scientific Contributions: Why Do We Care", Sekolah Ilmiah Pascasarjana (SIP), UI, Virtual Seminar, Jakarta, 24 October 2020.
204. Khoirul Anwar, "The Challenges on Artificial Intelligence and Quantum Information for Future Technologies: Preparing The Indonesia Golden Era 2045", Studium Generale 2020, UIN SGD, Virtual Seminar, Bandung, 24 October 2020
205. Khoirul Anwar, "Advanced Telecommunications Infrastructure During Pandemic Covid-19: MCRBS and OpenRAN for 5G/6G", International Conference on Science, Infrastructure Technology and Regional Development (ICoSITeR) 2020 ITERA, Virtual Conference, Lampung, 23 October 2020
206. Khoirul Anwar, "Meningkatkan Semangat Kuliah: Semangat Di Awal Menggebu, Di Akhir Menjadi Debu", Kajian Internal Al-Fath Fakultas Ilmu Terapan, Telkom University, Virtual Kajian, Bandung, 22 October 2020
207. Khoirul Anwar, "Advanced Telecommunications for Educations During Pandemic Covid-19: MCRBS 5G, OpenRAN, and Future 6G", International Conference on Sustainable Innovations (ICOSI) 2020, Virtual Conference, Universitas Muhammadiyah Yogyakarta (UMY), Yogyakarta, 13 October 2020.
208. Khoirul Anwar, "Menjadi Engineers Beriman", Mentoring General Islamic Character Building (ICB) Fakultas Teknik, BM Telkom University, Virtual Seminar, Bandung, 11 October 2020.
209. Khoirul Anwar, "Preparing The Indonesia Society 5.0", International Diponegoro Annual Summit (IDEAS 5.0), Virtual Meeting, Universitas Diponegoro (UNDIP), Semarang, 10 October 2020.
210. Khoirul Anwar, "Intellectual Property Right: 14 Years Experiences in Japan and 4 Years in Indonesia", Fokus Group Discussion Pemetaan Upaya Perlindungan Hukum Terhadap Hasil Reka Cipta dari Perguruan Tinggi di dalam Negeri, Virtual Meeting, Jakarta, 7 October 2020.
211. Khoirul Anwar, "Belajar dan Meneliti: Bagaimana Berbahagia dan Tidak Pernah Bosan apalagi Berenti", Semangat Belajar Ala Mahasiswa (SERAMA) Al Fath, FTE Telkom University, Virtual Meeting, Bandung, 27 September 2020.
212. Khoirul Anwar, "Revealing The Principle of Reviewers of The IEEE International Journals", Review Jurnal dari Sudut Pandang Seorang Riviewer, IEEE PCEA 2020, Virtual Seminar, Bandung, 26 September 2020.
213. Khoirul Anwar, "Membangun Roadmap Penelitian Berkualitas", Inspiration and Motivation for Positif Action (IMPACT), UR Plan Telkom University, Virtual Meeting, Bandung, 20 September 2020.

214. Khoirul Anwar, "Peran Mentor Dalam Akselerasi Kompetensi Pemuda Indonesia", 1 Golden Hour Talks, IG Live Series Vol 46 @mrtaufanakbari, Bandung, 19 September 2020.
215. Khoirul Anwar, "Revealing The Principle of Reviewers to Accept or Reject Manuscripts of International Journal", Membedah Prinsip Reviewer dan Editor dalam Menerima atau Menolak Artikel Jurnal Internasional, Kopertip Seminar Online, Bandung, 19 September 2020.
216. Khoirul Anwar, "Education/research Activities in Institute Teknologi Bandung (ITB): Collaboration with NAIIST, Japan", INNA Alumni Reunion 2020, Virtual Meeting, Bandung, 13 September 2020.
217. Khoirul Anwar, "Keberlanjutan Ekosistem Reka Cipta: (1) TIP Community Lab dan (2) WRAP untuk Kampus Merdeka", Menggagas Keberlanjutan Ekosistem Reka Cipta Indonesia dengan Semangat Kampus Merdeka, Webinar International, Dikti, Bandung, 12 September 2020.
218. Khoirul Anwar, "Kualifikasi Talent Peneliti Berkelas Internasional", Crowning Indonesia NEXT 2019 dan Kick Off Indonesia NEXT 2020, Telkomsel, Online, Bandung, 12 September 2020.
219. Khoirul Anwar, "Reka Cipta Telekomunikasi Merdeka: MCRBS, Over The Horizon Communication, dan IoT Next Generation", CEO Power Breakfast, Tugu Tani Aryaduta Hotel, Jakarta, 10 September 2020.
220. Khoirul Anwar, "Membangun Ekosistem Reka Cipta Indonesia melalui Kolaborasi Pentahelix sebagai Implementasi Kampus Merdeka", Majalah SWA, Jakarta, 7 September 2020.
221. Khoirul Anwar, "Mengemukakan Pendapat dalam Islam dan Dunia Ilmiah: Your Voice Can Change The World", Bina Rohani PKKMB 2020 Open House Al-Fath FTE Telkom University, Online, Bandung, 6 September 2020.
222. Khoirul Anwar, "How To Be A Great Inventor", Invent-Talk 1.0: Pre-Event Lomba Karya Tulis Ilmiah, Festival Inventra, Yayasan Pembina Mesjid Salman ITB, Online, Bandung, 30 Agustus 2020.
223. Khoirul Anwar, "How to Increase and Construct Novelties in Your Research", Seminar Online: Strategi Membangun Novelty dalam Penelitian, Kopertip Indonesia, Bandung, 29 Agustus 2020.
224. Khoirul Anwar, "Membangun Mental SAYA BISA bagi Pemuda Indonesia", Baitul Maal Muamalat (BMM) Talk Telkom University, Beasiswa Sarjana Muamalat, Telkom University, Online, Bandung, 29 Agustus 2020.
225. Khoirul Anwar, "Investigating All Aspects of 5G, 6G, AI and Coding for Physical and Network Layers for Indonesia", Rapat Pokja Penerapan Teknologi Next-Generation dan Distributed Ledger Technology (DLT), Bandung, 27-28 Agustus 2020.
226. Khoirul Anwar, "Strategi Sukses Kuliah Pascasarjana", Zoom Meeting sesi 1: Saresehan Pascasarjana, Kamilpasca ITB, Online, Bandung, 22 Agustus 2020.
227. Khoirul Anwar, "Ulang Tahun Jaringan Alumni Luar Negeri (JALAR): Media Launching, Program Beasiswa, Info Program, dan Talkshow, Online, Bandung, 16 Agustus 2020.
228. Khoirul Anwar, "Menjadi Peneliti Muda: Persiapan Sejak S1", POINS: INSPIRASI GUE LEWAT SAINS!, Bandung, 8 August 2020.
229. Khoirul Anwar, "Innovations on Advanced Telecommunications for Indonesia Developments: OTH, 5G, and 6G", Indonesia Maju Berbasis Riset dan Inovasi Nasional Online, 5 August 2020.
230. Khoirul Anwar, "On The Search of Promising Techniques for Coexistence of 5G and Satellite Services in The Lower C-Band", The 6th ASIA-PACIFIC SPECTRUM MANAGEMENT CONFERENCE, Online, 5 August 2020.

231. Khoirul Anwar, "Research-based Advanced Telecommunications for Indonesia Rural Developments: OTH, 5G, and 6G", SEMINAR NASIONAL MANAJEMEN INOVASI (SEMAI), Online, 28 July 2020.
232. Khoirul Anwar, "Generasi Muda dalam Dunia ICT di Era New N5G Wireless Networks: Opportunities and Challenges for Industries of Tower Companies", Mitratel Online Seminar, Online, 9 July 2020.
233. Khoirul Anwar, "Membangun Roadmap Penelitian Berkualitas", ICTS Online Seminar, 4 July 2020.
234. Khoirul Anwar, "Urgensi dan Materi Pengaturan Raperda Komunikasi dan Informatika, Statistik, dan Persandian", FGD Raperda, Online, 28 June 2020.
235. Khoirul Anwar, "Membangun Roadmap Penelitian yang Berdampak", KOPERTIP Seminar Online, Online, 25 June 2020.
236. Khoirul Anwar, "Membandingkan Karier Peneliti di Indonesia dan di Luar Negeri: Academic Viewpoints", IEEE IS Webinar Series, Online, 24 June 2020.
237. Khoirul Anwar, "Generasi Muda dalam Dunia ICT di Era New Normal: Trend Baru & Teknologi Masa Depan", Seminar of Prodi Teknologi Rekayasa Komputer Jaringan Univ. Bung Hatta, Online, 20 June 2020.
238. Khoirul Anwar, "Akademisi Berkontribusi Untuk Negeri", Islamic Education View Diksi 1.0, Masjid Kampus UNDIP (online), 13 June 2020.
239. Khoirul Anwar, "Harmonisasi Spektrum 5G dan Prediksi 6G Dalam Mendukung Digital Economy", FGD 2 Kajian Harmonisasi Spektrum Satelit dan 5G untuk Mendukung Ekonomi Digital Tahap 1, Online, 8 June 2020.
240. Khoirul Anwar, "Understanding Security Concept for Mobile Apps", Webinar of Seminar of Kopertip 2020, 29 May 2020 (afternoon).
241. Khoirul Anwar, "5G: User Experiences, Updates, and Challenges", Webinar of TechnoFair 7.0 Universitas Gunadarma Online, 17 May 2020 (afternoon).
242. Khoirul Anwar, "Berkualitas Dalam Melakukan Kolaborasi Penelitian Luar Negeri", Webinar of Kolaborasi Riset Online, 17 May 2020 (morning).
243. Khoirul Anwar, "Updates on Telecommunication Industries in Asia-Pacific and The World", Online Joint Course Chitkara University and Telkom University Online, 29 April 2020.
244. Khoirul Anwar, "Berkontribusi Untuk Negeri", Program Persiapan Pasca Kampus Bidang Akademisi Masjid Salman ITB, Online, Bandung, 25 April 2020.
245. Khoirul Anwar, "How To Be Valuable Persons", Webinar of YPT Knowledge Sharing 2020 Online, 21 April 2020.
246. Khoirul Anwar, "Membangun Pribadi Produktif", Webinar of Puslitbang TEKMIIRA Online, 16 April 2020.
247. Khoirul Anwar, "Academic Writing for Engineering: Avoiding Common Mistakes", Academic Writing for Engineering 2020, Telkom University, Bandung, 19 March 2020.
248. Khoirul Anwar, "Industrial Revolution 4.0 and Innovations for Sustainable Life Towards 6G", Seminar of SYADDHARA 2020, Unjani, Bandung, 14 March 2020.
249. Khoirul Anwar, "Preparing AWG-26", Ministry of Kominfo, Bandung, 13 March 2020.
250. Khoirul Anwar, "Identified Usecase from Past Technology Experiences and Other Studies", Seminar Indonesia 5G Ecosystem Conference 2020, The Sultan Hotel, Jakarta, 10 March 2020.
251. Khoirul Anwar, "Predicting The Future of Information and Communication Technologies", Workshop KOMMPAS 2020, Bandung, 8 March 2020
252. Khoirul Anwar, "Writing An International Scientific Paper: Avoiding Common Mistakes", Scientific Writing 2020 ITT Purwokerto, 7 March 2020.

253. Khoirul Anwar, "Beberapa Aspek untuk Data Concentrator Unit (DCU) dan Head End System (HES) pada Sistem Pengukuran Dua Arah", Seminar PLN 2020, Bandung, 6 March 2020.
254. Khoirul Anwar, "Understanding Hikmah from Al-Quran and Sunnah: Information and Communication Technology Viewpoint", Seminar Internasional Mata Air 2020, Aula Barat ITB, Bandung, 5 March 2020.
255. Khoirul Anwar, "Inovasi Teknologi Komunikasi Transformasi dan Revolusi untuk Kebermanfaatan", RAKONAS MITI-KM 2020, MITI Center Depok, 1 March 2020.
256. Khoirul Anwar, "Understanding Hikmah from Al-Quran and Sunnah: Information and Communication Technology Viewpoint", Seminar Internasional Mata Air 2020, Islamic Book Fair, JCC-Senayan, Jakarta, 27 February 2020.
257. Khoirul Anwar, "What Muslim Scientist Should Do for Indonesia 2045 Inspiration from Al-Quran and Sunnah", 2020 Islamic Science Day LD MII UI, Univ. Indonesia, Jakarta, 15 February 2020.
258. K. Anwar, "Skenario Uji Coba Koeksistensi 5G dan FSS pada 3.5 GHz", Seminar of Kominfo 2020 Jakarta, 5 February 2020.
259. Khoirul Anwar, "Menulis Proposal Tugas Akhir dan Karya Ilmiah The Most Common Mistakes", Presented at Kuliah Umum Penulisan Proposal TA dan Karya Ilmiah 2020 Bandung, Telkom University, Gedung K, 7 February 2020.
260. Khoirul Anwar, "Innovations for Sustainable Life: Predicting the 6G", BINTAL 2019, SECAPA AD, Bandung, 4 December 2019.
261. Khoirul Anwar, "Teknologi Inovatif dan Berkelanjutan dalam Rangka Menjaga Kelestarian Hidup", Seminar Nasional FUTURA 2019, HMTE UNPAD, Bandung, 30 November 2019.
262. Khoirul Anwar, "Penerapan Teknologi 5G di Era Revolusi 4.0", Studium Generale ITERA, Lampung Selatan, 14 November 2019.
263. Khoirul Anwar, "Menuju Teknologi 5G 2020", Program Studi Teknik Elektro ITK, Balikpapan, 07 November 2019.
264. Khoirul Anwar, "Peran Generasi Milenial untuk Meningkatkan Kreativitas Digital dalam Pembangunan Ekonomi melalui *Life-Based Learning* di Era Revolusi Industri 4.0", Seminar Pendidikan Nasional 2019 UM, Malang, 03 November 2019.
265. Khoirul Anwar, "Integrasi Revolusi Industri 4.0 terhadap Sains dan Teknologi", Seminar Nasional ADIWIDYA 7 Kamil Pascasarjana ITB, Bandung, 02 November 2019.
266. Khoirul Anwar, "5G and 6G Supporting Industrial Revolution 4.0", Wisuda Universitas Atmajaya, Makassar, 30 Oktober 2019.
267. Khoirul Anwar, "Inovasi Sistem Pemerintahan Berbasis Elektronik (SPBE) melalui Sinergi Startup Indonesia", Bandung ICT Expo 2019, Telkom University, Bandung, 25 October 2019.
268. Khoirul Anwar, "Workshop Scientific Writing", Pascasarjana FT Universitas Negeri Padang, Padang, 07-08 October 2019.
269. Khoirul Anwar, "Towards 6G: Challenges and Opportunity", IEEE Indonesia Section, The Jayakarta Suites Hotel, Bandung, 5 October 2019.
270. Khoirul Anwar, "Preparation for World Radio Conference 2019 in Egypt", Telkom Regulatory Management, Bandung, 4 October 2019.
271. Khoirul Anwar, "An Introduction to the Milenial Generations and Their Roles in Digital Economy", SEARCH Telkom University (StudEnt Activities for Research and Competition Handling), Bandung, 29 September 2019.
272. Khoirul Anwar, "Overview of Telecommunication Companies (Telcos) in Indonesia", Government Link University (GLU) 2019, Bandung, 23 September 2019.

273. Khoirul Anwar, "What Is The Next After 5G: Exploring The 6G Services and Challenges", International Conference on Applied Information Technology and Innovation (ICAITI), Bali, Indonesia, 21 September 2019.
274. Khoirul Anwar, "Computer, Telecommunications, and Applications Supporting Industry Revolution 4.0", Studium General Perdana UPI 2019, UPI, Bandung, 17 September 2019.
275. Khoirul Anwar, "5G dan Peluang Aplikasinya pada Payload Roket", LAPAN 2019, Mekarsari, Rumpin, Bogor, 3 September 2019.
276. Khoirul Anwar, "Learning from Science and Technology: How To Make Success in Study and Life", MATAF Engineering Faculty UMY, Bantul, Yogyakarta, 27 August 2019.
277. Khoirul Anwar, "Developing 5G and 6G with Technopreneurship in The Era of Industrial Revolution 4.0", International Conference ICE2T 2019, Telkom University, Bandung, 14 August 2019.
278. Khoirul Anwar, "From Dream to Reality: Developing 2G to 6G Telecommunication Generations", Seminar Inspirasi SMK Telkom Medan 2019, Medan, 29 July 2019.
279. Khoirul Anwar, "Roles of Science and Technology for Industrial Revolution 4.0", Seminar Nasional Fisika dan Aplikasinya (SENFA) 2019, Padjajaran University, 13 July 2019.
280. Khoirul Anwar, "Developing 5G and Beyond for Agriculture in Developing Countries", Seminar Nasional HIPI 2019, Padjajaran University, Jatinangor, 10 July 2019.
281. Khoirul Anwar, "Creative Economy for Better Life: The Support from 5G and 6G Wireless Networks", Seminar Nasional 2019 UNIPMA, Graha Cendekia Univ. PGRI Madiun, Madiun, 27 June 2019.
282. Khoirul Anwar, "Digital Bussiness and Industrial Revolution 4.0: 5G Wireless Networks as The Main Key for Massive Connectivities", Conference on Telematics and Information Science (CENTIS) 2019, Akademi Telkom Jakarta, 22 June 2019.
283. Khoirul Anwar, "Understanding 5G and IoT for Industrial Revolution 4.0 and Better Life: Innovation - Stall - Rapid Expansion - Maturity", The Bintal Oriented Basic Character Program 2019, SECAPA AD, Bandung, 20 June 2019.
284. Khoirul Anwar, "5G Wireless Networks: The Main Key for Massive Connectivities for Better Life", SINERGI 2019 FT Universitas Islam '45, Bekasi, 19 June 2019.
285. Khoirul Anwar, "Long Life Learning: Insights from 2G-5G Development", Inspirasi Keprofesian OVERCLOCK 2019, Bandung, 26 April 2019.
286. Khoirul Anwar, "Challenges on 5G: Implementations and Applications in Indonesia", IEEE Technical Activities 2019, Bandung, 26 April 2019.
287. Khoirul Anwar, "PATRIOT-Net: Prevention and Recovery Networks for Natural Disasters based on IoT: -Possible Extention to Drone and Satellite-", Satellite Festival SATFEST V3.0, Bandung, 13 April 2019.
288. Khoirul Anwar, "Report of AWG-24 and Preparation to AWG-25 Indonesia", AWG-25, Jakarta, 29 March 2019.
289. Khoirul Anwar, "5G Wireless Networks As The Main Key for Industrial Revolution 4.0", Colloqium 2019, Universiti Teknologi Malaysia (UTMKL), Kuala Lumpur, Malaysia, 26 March 2019.
290. Khoirul Anwar, "5G Networks: Key Technologies for Industry Revolution 4.0", Teknika Muda Berjiwa Pancasila Menginspirasi Bangsa, Presented at FT, Universitas Muhammadiyah Yogyakarta 2019, Yogyakarta, 19 March 2019.
291. Khoirul Anwar, "Trend of Industry Revolution 4.0 and 5G for Indonesia", Kuliah Umum, Institut Teknologi Telkom Surabaya, Surabaya, 14 February 2019.
292. Khoirul Anwar, "Menjadikan Riset Berdampak: Industry Revolution 4.0 and 5G Viewpoints", Refleksi Akhir Tahun 2018, P2 Telimek LIPI, Bandung, 19 December 2018.

293. Khoirul Anwar, "5G and IoT for Industry 4.0: Innovation Stall Rapid Expansion Maturity", The Bintel Oriented Basic Character Program 2018, Komando Pembinaan Doktrin dan Pendidikan Angkatan Laut, Surabaya, 12 December 2018.
294. Khoirul Anwar, "Recent Updates on 5G and Applications Many Open Topics", ITTPurwokerto, Studium Generale, Institut Teknologi Telkom Purwokerto, 8 December 2018.
295. Khoirul Anwar, "Innovations on 5G for Our Better Lives Understanding 2G, 3G, 4G, and 5G Principles", SEEFEST, Bandung, 29 Nov. 2018.
296. Khoirul Anwar, "Understanding 5G and Industry Revolution 4.0 The Challenges of Future Lives", Seminar Technovatos Polman Bandung , Aula Rupantama, Polman Bandung, Bandung, 24 November 2018.
297. Khoirul Anwar, "Understanding 5G, Industry 4.0, and The Challenges for Future Lives", Seminar Nasional Fisika (SENAFIS), Audit FPMIPA A, Kampus UPI, Bandung, 23 November 2018.
298. Khoirul Anwar, "Innovations on 5G for A Better Life Understanding 2G, 3G, 4G, 5G, 6G Principles", Techno Fair and Seminar 2018, Politeknik Negeri Malang, Malang, 20 November 2018.
299. Khoirul Anwar, "Menghadapi Berbagai Perubahan dalam Era 5G: Teknologi, Bisnis, dan Sosial", Studium Generale ITB 2018, Aula Barat ITB, Bandung, 14 November 2018.
300. Khoirul Anwar, "Creating A Culture of Innovations in Academia Innovations on 5G for Our Better Lives", Diponegoro School of Nation (DSN), Aula BPSDMD Prov. Jateng, Semarang, 17 November 2018.
301. Khoirul Anwar, "Regulations and Economic Impacts of 5G Era Research and Development Perspective", BRTI Sharing Session 2018, Crowne Plaza Bandung, Bandung, 13 November 2018.
302. Khoirul Anwar, "Semiloka Penulisan Makalah pada Jurnal Ilmiah Bereputasi", Jurnal Telka dan Jurusan Teknik Elektro, Fakultas Sains dan Teknologi, UIN Sunan Gunung Djati, Bandung, 4 November 2018.
303. Khoirul Anwar, "Telecommunications Create A New Standard Quality: 2G–5G for Better Life", Kuliah Umum (Kulum) Telekomunikasi 2018, Politeknik Negeri Jakarta, Jakarta, 3 November 2018.
304. Khoirul Anwar, "Coding Theory for Massive Wireless Internet-of-Things Connections", 5th International Conference on Information Technology System and Innovation (ICITSI-2018), Padang Convention Center, Padang, 25 October 2018.
305. Khoirul Anwar, "ZEBRA-CODES: Zigzag dEncoding Based on RAptor CODES for active safety transportation", Workshop on Advanced 5G Wireless Technologies for Smart Road-Traffic Control and Transportation Infra. Monitoring Systems, Hanoi, Vietnam, 23 October 2018.
306. Khoirul Anwar, "Funding and Research for Young Career Researchers: From South East Asian Perspective", Workshop on Advanced 5G Wireless Technologies for Smart Road-Traffic Control and Transportation Infra. Monitoring Systems, Hanoi, Vietnam, 22 October 2018.
307. Khoirul Anwar, "Pelangi Sukses Studi di Jepang Menuju Paten", TALKSHOW ONLINE INSPIRATIF, BERANI MIMPI S2 & S3 KE JEPANG? WHY NOT?!, 21 October 2018.
308. Khoirul Anwar, "Development 5G of Indonesia: Research and Challenging Problems", The International Workshop 2018 on the Fifth Generation (5G) Mobile Communication System - The Forefront of Cooperative Partnerships for 5G Business -, Tokyo, Japan, 17 October 2018.
309. Khoirul Anwar, "Peranan Teknik Elektro dalam SDGs: Menyiapkan Generasi Muda untuk Bonus Demografi dan Telecommunications Viewpoints ", Seminar Nasional FUTURA 2018, Bale Sawala, UNPAD, Bandung, 11 October 2018.

310. Khoirul Anwar, "Menyiapkan Generasi Muda untuk Bonus Demografi dan Sustainable Development Goals (SDG)", National Scientific Days by MARS (NASA), Graha Pendidikan Politeknik Negeri Sriwijaya, Palembang, 9 October 2018.
311. Khoirul Anwar, "Strategi Penguatan Riset Menghadapi Tantangan Era Globalisasi", Workshop Strategi Menghadapi Era Globalisasi, Aula Emas PSTNT BATAN, Bandung, 2 Oktober 2018.
312. Khoirul Anwar, "5G for Agriculture: Empowering Indonesians Youth for Innovations", Scientific Great Moment 9, Universitas Brawijaya, Malang, 30 September 2018.
313. Khoirul Anwar, "Authors, Reviewers, and Editors: How They Work for A Scientific Paper Pedoman Menulis Karya Ilmiah", Penulisan Jurnal Internasional Bereputasi Unisma, Malang, 29 September 2018.
314. Khoirul Anwar, "Near Future Technologies: 5G and 6G with Interdisciplinary Applications", Digital Indonesia 2025 Vision, Bandung, Hotel Trans Studio, 27 September 2018.
315. Khoirul Anwar, "Research Collaboration: 5G, Health, and Social Life", Literacy Beyond Words, Tel-U Library, Bandung-Tel-U, 13 September 2018.
316. Khoirul Anwar, "Resolusi 1440 H: Dari Burung Hud-hud sampai Muadz bin Jabal", Masjid Syamsul 'Ulum, Telkom University, Bandung, 11 September 2018.
317. Khoirul Anwar, "Developing 5G Massive Access for Communications-based Container Truck Control", 2nd Port Automation: Communication-Based Container-Truck Control (CBCTC), Bandung, 8 August 2018.
318. Khoirul Anwar, "Berinovasi dan Berprestasi untuk Industri 4.0 dan Indonesia 2050", PKKMB, Bandung, 6 August 2018.
319. Khoirul Anwar, "5G Technologies for Industry 4.0", 2nd International Conference on Telematics and Future Generation Networks (TAFGEN), Hilton Kuchig Hotel, Kuching, Malaysia, 24 July 2018.
320. Khoirul Anwar, "Kewibawaan Ilmu Pengetahuan dalam Kemuliaan Islam: Mengoptimalkan Hidup", Ramadhan dalam Kampus, Universitas Gadjah Mada, Yogyakarta, 27 May 2018.
321. Khoirul Anwar, "Massive IoT Supporting Industry 4.0:", IEEE International conference ICOICT 2018 (in cooperation with MMU, Malaysia), Bandung, 3 May 2018.
322. Khoirul Anwar, "Menjadi Mahasiswa dengan Mimpi dan Karya Luar Biasa Selama Berkuliah", Overclock, Computer System, Telkom University, Bandung, 25 April 2018.
323. Khoirul Anwar, "Menjadi Insan Teladan Penggerak Perubahan Zaman", Gedung Soetardjo Universitas Jember, 15 April 2018.
324. Khoirul Anwar, "Inovasi Dalam Global Mega Trend 2050", Forum Karya Inovasi 2018, Indonesia Power, Bandung, 6 April 2018.
325. Khoirul Anwar, "Indonesia i5GF on Global Collaborations for 5G Utilizations", 5G International Symposium 18, Tokyo, 28 March 2018.
326. Khoirul Anwar, "Metodologi dan Analisis Sharing IMT dan FSS pada 3.4-4.2 GHz", Kominfo, Jakarta, 13 March 2018.
327. Khoirul Anwar, "Technologies for Kids Zaman Now (and Beyond)", National Seminar, UIN Sultan Syarif Kasim, Riau, 11 March 2018.
328. Khoirul Anwar, "5G Spectrum Analysis and Channel Model for Indonesia", Kominfo, Jakarta, 8 March 2018.
329. Khoirul Anwar, "Coded Random Access for RHENIUM: A Multiple Access Scheme for Massive Number of Sensors/Devices", International Workshop on RHENIUM, Bandung, 27 February 2018.
330. Khoirul Anwar, "Understanding Research Method, Research Methodology, and Future Trends", UPI-TELU Joint-Class Program, Bandung-Telkom University, 21 February 2018.

331. Khoirul Anwar, "Telkom University Towards World Class Research and Entrepreneurial University: Five Main Trends", Inspirasi GRCS-PRO 2018, Bandung-Ibis Hotel, 15 February 2018.
332. Khoirul Anwar, "Menjadi Mahasiswa dengan Mimpi dan Karya Luar Biasa Selama Berkuliah", Seminar Aku Masuk (AMI) ITB, Bandung, 4 February 2018.
333. Khoirul Anwar, "Future Human and Machines Communications in 5G Era", General Lecture of Institut Teknologi Telkom, Purwokerto, 22 December 2017.
334. Khoirul Anwar, "PATRIOT-Net: A Modern Wireless Networking System for ASEAN Natural Disasters Monitoring and Recovery", Asian Youth Conference, Kuala Lumpur, Malaysia, 16 December 2017.
335. Khoirul Anwar, "i5GF: Indonesia Initiatives Toward 5G", 5G Industry Panel IEEE GLOBE-COM17, Singapore, 7 December 2017.
336. Khoirul Anwar, "Introduction to 5G: Principles and Applications", Kulum Broadband Multimedia 2017, GSG, Politeknik Negeri Jakarta, 25 November 2017.
337. Khoirul Anwar, "Peningkatan Konten Publikasi Ilmiah dan Pengembangan Website AdWiTech", Workshop Webometric, QS, dan Peningkatan Dikti, BTP, Bandung, 23 November 2017.
338. Khoirul Anwar, "The Power of Hijrah: Menjadi Generasi Rabbani", Islamic EXPO 2017, Universitas Bengkulu, 18 November 2017.
339. Khoirul Anwar, "Short Introduction to AdWiTech and Possible Projects for Cooperations: Coding Theory for Massive Internet of Things (IoT)", 1st SOFTT 2017, Telkom University-ICAO, Bandung, 13 November 2017.
340. Khoirul Anwar, "Pemuda, Teknologi dan Inovasi untuk Indonesia Emas 2045", KRENOVA Bappeda Wonosobo, Bandung-Wonosobo (Online), 12 November 2017.
341. Khoirul Anwar, "Inovasi untuk Meningkatkan Daya Saing Indonesia", Qualcomm Seminar, Pullman Thamrin Hotel, Jakarta, 9 November 2017.
342. Khoirul Anwar, "Research Trend of Broadband Technologies in Asia Pacific", Researcher and Expert IDRC Meet-Up 2, Nexa Hotel, Bandung, 2 November 2017.
343. Khoirul Anwar, "Inovasi IoT Masa Depan: Coded Random Access", Telkom University IoT Competition 2017, Aula FIT, Telkom University, Bandung, 24 October 2017.
344. Khoirul Anwar, "Inovasi 4G-5G Untuk Negeri", One Hour University ESDM 2017, Gedung PPSDM Aparatur, Bandung, 19 October 2017.
345. Khoirul Anwar, "New Era of Digital Business: 5G and IoT", International Conference on Applied Science in Engineering, Business, Linguistics, and Information Technology (ICo ASC-NITech) 2017, Kyriad Bumiminang Hotel, Padang, 14 October 2017.
346. Khoirul Anwar, "Smart Technology for Better Life", Universitas Negeri Surabaya (Unesa), 8 October 2017.
347. Khoirul Anwar, "5G Massive Wireless IoT Connections: Potential Multiple Access Scheme", IEEE Comnetsat 2017, Gumaya Tower Hotel, Semarang, 5 October 2017.
348. Khoirul Anwar, "Menakar Kesiapan Kita dalam Menyongsong 5G", Universitas Riau, 20 September 2017.
349. Khoirul Anwar, "5G Technologies for Nature and Human Life", Universitas Muhammadiyah Riau, 20 September 2017.
350. Khoirul Anwar, "Kolaborasi Dalam Dakwah untuk Berkarya Bagi Bangsa dan Agama", National Seminar of FSLDK Indonesia, Masjid Syamsul Ulum, Telkom University, Bandung, 15 September 2017.
351. Khoirul Anwar, "New Era of IoT for Digital Business", National Seminar of IoT, Telkom University, Bandung, 11 September 2017.

352. Khoirul Anwar, "The Potencies on 5G: To Nature and Human Life", National Seminar, Universitas Sebelas Maret, Solo, 8 September 2017.
353. Khoirul Anwar, "The Potencies on 5G: To Nature and Human Life", National Seminar, Universitas Sebelas Maret, Solo, 8 September 2017.
354. Khoirul Anwar, "Mahasiswa: Penggerak Indonesia Emas 2045", Masa Orientasi Kampus dan Kuliah Umum (Mokaku), Universitas Pendidikan Indonesia (UPI), Bandung, 28 August 2017.
355. Khoirul Anwar, "Membangun Karakter Mahasiswa Indonesia Siap Menguasai Dunia dengan Memanfaatkan Potensi Kearifan Lokal", PK2Maba, Brawijaya University, Malang, 19 August 2017.
356. Khoirul Anwar, "Menjadi Mahasiswa Sukses", FRI Maba, Telkom University, Bandung, 15 August 2017.
357. Khoirul Anwar, "Peranan Teknologi Untuk Kehidupan Lebih Baik Memahami Konsep Teknologi 4G dan Setelahnya", Conventiona Hall of Andalas University, Padang, Indonesia, 14 August 2017.
358. Khoirul Anwar, "Menjadi Mahasiswa Kreatif dan Inovatif", FTE PKKMB, Telkom University, Bandung, 9 August 2017.
359. Khoirul Anwar, "Menjadi Generasi Muda Indonesia Kreatif dan Inovatif", IEEE Indonesia Student Branch Congress, Diponegoro University, Semarang, 29 July 2017.
360. Khoirul Anwar, "The Latest Updates on 5G Technologies", Hasanuddin University, Makassar, 27 July 2017.
361. Khoirul Anwar, "Young Creations and Innovations for Sustainable Indonesia Resources", University Nusantara PGRI, Kediri, 9 June 2017.
362. Khoirul Anwar, "Technology-driven Inspirations for Strong and Solid Teamwork", Bintal PT Telkom, SECAPA AD, Bandung, 21 May 2017.
363. Khoirul Anwar, "Heart of Makkah, Brain of Japan", GAMAIS ITB, Bandung, 9 May 2017.
364. Khoirul Anwar, "Menghidupkan Riset Berkualitas di Indonesia dan Tips Menjadi Mahasiswa Inovatif dan Sukses", Seminar MITI, Universitas Negeri Yogyakarta, 7 Mei 2017.
365. Khoirul Anwar, "Understanding the Philosophies of 5G for High Quality of Life", ST3 Telkom Purwokerto, Purwokerto, 6 Mei 2017.
366. Khoirul Anwar, "Menghidupkan Bersama Riset Berkualitas di Indonesia", Telkom Research and Experts Meet-Up, Telkom DDS, Gegerkalong, Bandung, 2 Mei 2017.
367. Khoirul Anwar, "Rabbani Generation: Insight from 5G Technology Development", SMA IT Nur Hidayah, Solo, 29 April 2017.
368. Khoirul Anwar, "Future Trend of Telecommunications and Al-Qur'an", Sosialisasi Pendidikan Berbasis Iman, Yayasan Alfa Centauri, Bandung, 25 April 2017.
369. Khoirul Anwar, "Technology-Driven Inspirations for Engineers", Overclock 2017, Computer Engineering Department, Telkom University, Bandung, 18 April 2017.
370. Khoirul Anwar, "Telecommunication Generations 1G to 6G: Understanding the Philosophy", Studium General, Universitas Islam Negeri Syarif Hidayatullah, Jakarta, 17 April 2017.
371. Khoirul Anwar, "Menjadi Muslim Berprestasi", Tabligh Akbar, Masjid Al-Azhar, Universitas Negeri Padang (UNP), Padang, 16 April 2017.
372. Khoirul Anwar, "Super Broadband 5G Innovations for Indonesia", International Seminar 2017, Universitas Negeri Padang (UNP), Padang, 15 April 2017.
373. Khoirul Anwar, "Super Broadband 5G Innovations for Sustainable Indonesia 2050", Bandung Tekno Park (BTP), Bandung, 11 April 2017.
374. Khoirul Anwar, "Generasi Emas untuk Melestarikan Indonesia 2050", YDSF 30 Tahun, Graha Sepuluh Nopember, Surabaya, 26 March 2017.

375. Khoirul Anwar, "5G Innovations for Sustainable Indonesia 2050", University of Diponegoro, Semarang, 23 March 2017.
376. Khoirul Anwar, "Research Management: Experiences of 14 Years in Japan", the Workshop Penyusunan Roadmap dan Abdimas KK, Hotel Asrilia, Bandung, 22 March 2017.
377. Khoirul Anwar, "Innovations for Indonesia Super Broadband Technologies", Indonesian Broadband Business Innovations Through Sustainable Development of Fixed Broadband Industry, Biara WA Assembly Hall, Hotel BIDADARA-JAKARTA, 14 March 2017.
378. Khoirul Anwar, "Mathematics For Solving 5G Massive Wireless IoT Networks Problems", The 7th Annual Basic Science International Conference, Malang, 7-8 March 2017.
379. Khoirul Anwar, "Bermimpi Setinggi Mungkin Menggapai Ridho Ilahi", SMK Telkom, Bandung, 25 Feb. 2017.
380. Khoirul Anwar, "Innovations on Public Services for Asean Economic Community", Diklat Pemprov of Jawa Barat, 24 Feb. 2017.
381. Khoirul Anwar, "Integration of Information Technology Studies and Islamic Knowledge", Workshop of UIN Syarif Hidayatullah, Jakarta, Faculty of Science and Technology, 23 Feb. 2017.
382. Khoirul Anwar, "Innovations for Kediri and Indonesia 2045", Kediri Education Festival 2017, Kediri, 11 February 2017.
383. Khoirul Anwar, "Students Contributions to Islam Civilizations", KAMIL Pasca Sarjana ITB, Seminar 2017, Bandung, 28 January 2017.
384. Khoirul Anwar, "Innovations for Sustainable Indonesia 2050", Seminar Sharing Session Telkom Group on Pengembangan Inovasi dan Komersialisasi Hasil-hasil Riset Melalui Peningkatan Sinergi ABGC, Bandung, 26 January 2017.
385. Khoirul Anwar, "Inovasi Bidang ICT Untuk membangun Negeri: Protecting Indonesia 2050", Seminar Gebyar Teknik Elektro 8, UIN Sunan Gunung Djati, Bandung, 26 November 2016.
386. Khoirul Anwar, "Peran Muslim dalam Media Sosial", Seminar BEK ITENAS, Bandung, 24 November 2016.
387. Khoirul Anwar, "Developing Future ICT for Human and Environments Security: Protecting Asia in 2050", International Conference on Converged Telecommunications Policy and Regulation (CTPR), Hilton Hotel, Bandung, 21 November 2016.
388. Khoirul Anwar, "Protecting Asia in 2050: Tenacity Leads You to Great Innovations", Seminar Temu Tokoh, Beasiswa Pemimpin Bangsa, Bandung, 19 November 2016.
389. Khoirul Anwar, "Entrepreneurship Sepanjang Masa", Seminar Technopreneurship, Telkom University, Bandung, 17 November 2016.
390. Khoirul Anwar, "Pelajar Berprestasi: Tenacity Leads You to Great Innovations", MA Unggulan KH. Abdul Wahab Hasbullah, Jombang, Indonesia, 12 November 2016.
391. Khoirul Anwar, "Tenacity Leads You to Great Innovations", MAN Jombang, Jombang, Indonesia, 12 November 2016.
392. Khoirul Anwar, "Mahasiswa Berprestasi: Menjaga Negeri dengan Ilmu dan Teknologi Telekomunikasi", Seminar of Telecommunications Students Circle, Telkom University, Bandung, Indonesia, 10 November 2016.
393. Khoirul Anwar, "Menjadi Mahasiswa Berprestasi: Berkontribusi untuk Akademisi dan Masyarakat", National Seminar GEBYAR ELEKTRO, Universitas Sriwijaya, Palembang, Indonesia, 6 November 2016.
394. Khoirul Anwar, "Challenges of 5G and 6G Wireless Networks: Finding New Resources", Studium General of Electrical Engineering, University of Padjajaran, Bandung, Indonesia, 3 November 2016.

395. Khoirul Anwar, "Menjadi Pemuda Kontributif Sepanjang Masa", National Seminar on Technopreneurship, Telkom University, Bandung, Indonesia, 28 October 2016.
396. Khoirul Anwar, "Challenges on 5G and 6G: Advanced Wireless Technologies in Indonesia", ICT EXPO and ANJA 2016, Telkom University, Bandung, Indonesia, 20 October 2016.
397. Khoirul Anwar, "Becoming Outstanding Students: Academic Contributions and Society", National Seminar 2016, STMIK AMIKOM, Yogyakarta, Indonesia, 13 October 2016.
398. Khoirul Anwar, "Internet-of-Things (IoT) and Its Potential Applications to Energy and Environments", ICENIS 2016, University of Diponegoro, Semarang, Indonesia, 11–12 October 2016.
399. Khoirul Anwar, "Challenges on 5G and 6G: Finding New Resources", International Conference on Electrical Engineering and Informatics (ICON-EEI), Riau, Indonesia, October 2016.
400. Khoirul Anwar, "5G Super-Dense Networks and Methods of Writing Good Scientific Papers", National Seminar on Engineering, University of Muhammadiyah Sidoarjo, Sidoarjo, 24 Sept. 2016.
401. Khoirul Anwar, "Rising Science and Technology of Indonesia: A Momentum Toward ASEAN Economic Community", The 9th Conference of Indonesian Student Association in Korea, Seoul, 3–4 September 2016.
402. Khoirul Anwar, "Learning for Daily Life: 1G to 6G Telecommunications Generations", Universitas Muhammadiyah Surakarta, Solo, August 27, 2016.
403. Khoirul Anwar, "How to Become Outstanding Students: Inspiration from Turbo Codes", STT Nurul Fikri, Depok August 24, 2016.
404. Khoirul Anwar, "Internet of Things (IoT) Prevention and Recovery Networks", Padang, August 3–5, 2016.
405. Khoirul Anwar, "Seminar Kuliah Ke Luar Negeri", Padang, August 4, 2016.
406. Khoirul Anwar, "Future Directions of Wireless Communications", Lombok, May 30–31, 2016.
407. Khoirul Anwar, "5G Technologies and Beyond", ITB, Bandung, May 27–29, 2016.
408. Khoirul Anwar, "4G and 5G Technologies and Future Trend", Kemkominfo, Jakarta, May 26, 2016.
409. Khoirul Anwar, "Performing High Quality Research in Japan", PPI Shizuoka, Shizuoka, Japan, March 5, 2016.
410. Khoirul Anwar, "5G Super Dense Networks of Internet-of-Things: Graph-based Decoding", IEEE ISAPCS 2015, Bali, Indonesia, November 2015.
411. Khoirul Anwar, "4G and Beyond: The Latest Results", University of Lampung, Lampung, Indonesia, 14 October 2015.
412. Khoirul Anwar, "Information Technology: The Latest Innovation, Manufacturing and Potential Business", Institute of Technology Sumatera (ITERA), Lampung, Indonesia, 12–13 October 2015.
413. Khoirul Anwar, "Computational Technology: Future Challenge in 5G Era", University of Andalas, Padang, Indonesia, 8 October 2015.
414. Khoirul Anwar, "Coding Schemes and Signal Processings for Radar, Antenna and Microwave Toward 5G Super Dense Networks", IEEE International Conference on Radar, Antenna, Microwave, Electronics and Telecommunications (ICRAMET) 2015, Bandung, Indonesia, October 2015.
415. Khoirul Anwar, "Challenges on Coding Schemes for 5G Super Dense Networks", IEEE Asia Pacific Conference on Wireless and Mobile (APWIMOB), Bandung, Indonesia, August 2015.

416. Khoirul Anwar, "Humanity and Prosperity: Physical and Philosophical Contributions of Telecommunications Technologies", Hokkaido Indonesia Student Association Scientific Meeting (HISAS2015), Hokkaido, March 2015.
417. Khoirul Anwar, "Challenges to Wireless Communications Beyond 4G," , International Electronics Symposium(IES) 2014, PENS ITS, Surabaya, December 3–4, 2014.
418. Khoirul Anwar, "Advancing Indonesia with Mobile Broadband," XL Knowledge Sharing, Dec 1, 2014.
419. Khoirul Anwar, "Coding Techniques for Beyond 4G Communications,"University of Jenderal Soedirman, Purwokerto, 16 November 2014.
420. Khoirul Anwar, "Telekomunikasi dan Kita di Masa Depan," *International Symposium of Overseas Indonesian Students Association (OISSA)*, Tokyo Institute of Science and Technology, 21 Sept 2014.
421. K. Anwar, "Learn The Signs: How to be A Great Scientist", *International Student Workshop: Toward Success as Global Engineers*, PPI Toyohashi, Toyohashi University of Technology, Japan, 18 April 2014.
422. K. Anwar, "How to Write a Scientific Paper and Project Proposal", *University Sriwijaya (UNSRI)*, Palembang, Indonesia, March 5–6, 2014.
423. K. Anwar, "How to Write a Scientific Paper and Project Proposal", *University Teknologi Malaysia (UTM)*, Kuala Lumpur, Malaysia, March 3, 2014.
424. K. Anwar, "Challenges to 5G: Multiterminal Communication Systems", *University Teknologi Malaysia (UTM)*, Kuala Lumpur, Malaysia, March 3, 2014.
425. K. Anwar, "Thinking Big: Enhancing Innovations and Achievements", *General Lecture*, Hokuriku Scientific Forum 2014, Toyama University, Japan, 19 January 11, 2014.
426. K. Anwar, "Thinking Big for Innovations Big", *General Lecture*, PPI Fukuoka, Ito Campus, Kyushu University, Japan, 11 January 2014.
427. K. Anwar, "The Challenge on Spectrum Efficiency: Guard Interval Removal with Iterative Decoding", *Keynote Speaker*, IEEE International Conference on Innovation Technology and Electrical Engineering (ICITEE), Yogyakarta, 7-8 October 2013.
428. K. Anwar, "Study from Turbo Codes", *Elinsphoria#4 Symposium*, Gadjah Mada University, Yogyakarta, Indonesia, May 4, 2013.
429. K. Anwar, "Future ICT: Understanding the Basic", *Invited Speech*, The 3rd Annual Indonesian Scholars Conference in Taiwan (AISCT) 2012, Hsinchu, Taiwan, March 2012.
430. K. Anwar, "Lecture on Information Theory and Telecommunication: Kuliah Anak Negeri 2011", *Invited Lecture*, The Radio of Republic of Indonesia, July-August 2011.
431. K. Anwar, "Research and Development in Wireless Communications: Challenge to Indonesia", *Invited Speech*, Annual Meeting of Science and Technology Studies (AMSTECs 2011), Tokyo Institute of Technology, June 2011.
432. K. Anwar, "How to Increase the Quality and Quantity of Research", *Invited Speech*, Indonesian Scientific Meeting 2010, Nagoya University, August 2010.
433. K. Anwar, "Building National Competitiveness: Going Home or Staying Abroad", *Invited Speech* CISAK: Conference of Indonesia Students Association in Korea, Korea, Feb. 2010.
434. K. Anwar, "Research Gain for National Competitiveness: Learning from Coding Theory", *Invited Speech* Annual Indonesian Scholars Conference in Taiwan 2010, Taiwan, March 2010.
435. K. Anwar, "Research Gain for National Competitiveness: Learning from Coding Theory", *Invited Speech* Annual Indonesian Scholars Conference in Taiwan 2010, Taiwan, March 2010.
436. K. Anwar, "Indonesian Network 2020: Sebuah Ide Membangun Sains dan Teknologi", *Invited Speech*, International Symposium PPI-Dunia, Den Haag, 4 July 2009.

1. Khoirul Anwar, "Current and Future Trend of Wireless Communications: Tutorial", Wisma Ministry of Communications and Informatics (Kominfo), Bogor, 13-16 March 2023.
2. Khoirul Anwar, "Introduction to Artificial Intelligence for Channel Coding: From Classical, Molecular and Quantum Error Correction Coding", 1-day Tutorial in IEEE International Symposium on Future Telecommunication Technologies 2022 (The 6Th IEEE SOFTT2022), November 14–16, 2022, Hotel Ramada by Windham Meridin Johor Bahru, Malaysia.
3. Khoirul Anwar, "Broadcasting Technology: From Analog to Digital", Ministry of Communications and Informatics, Wisma PPSDM Ditjen SDPPI, Cisarua, Bogor, 13 July 2022.
4. Khoirul Anwar, "The Secret of Accumulator Codes and The Introduction to Optical Angular Momentum (OAM) Multiplexing for 6G", AICOMS Zemi 2022 Bandung, 4 March 2022.
5. Khoirul Anwar, "Menulis Patent Nasional dan Internasional", AICOMS Patent Workshop 2021, Bandung (Virtual), 16 December 2021.
6. Khoirul Anwar, "Avoiding Common Mistakes in Scientific Writing", Pelatihan Penulisan Artikel Ilmiah Internasional 2021, Lembang Asri, Bandung, 30-31 Oktober 2021.
7. Khoirul Anwar, "Dasar-dasar Teori Informasi untuk Keamanan Jaringan: Klasik dan Quantum", Webinar Kesadaran Keamanan Siber: Pelatihan Dasar Jaringan dan Perangkat Lunak dalam Pemberdayaan Masyarakat Desa," Jakarta (Virtual), 11 Oktober 2021.
8. Khoirul Anwar, "Analysis on 2G–5G Systems and Covid-19: The Similarities and Differences To understand the characteristics for both", 4G–5G TRAINING FOR COV19 Online, 3 May 2020.
9. Khoirul Anwar, "Avoiding Common Mistakes in International Scientific Paper: Avoiding Common Mistakes", Workshop on Scientific Writing in Politeknik Negeri Padang (PNP), Padang, 9 October 2019.
10. Khoirul Anwar, "Writing An International Scientific Paper: Avoiding Common Mistakes", Workshop on Scientific Writing in UNP Graduate School, Padang, 9 October 2019.
11. Khoirul Anwar, "Writing An International Scientific Paper: Avoiding Common Mistakes", Workshop on Scientific Writing in UNP Faculty of Engineering, Padang, 8 October 2019.
12. Khoirul Anwar, "Understanding OFDM Philosophy and Principle", ZEMI AdWiTech, Bandung, 26 July 2019.
13. Khoirul Anwar, "Writing International Standard Paper", Workshop on International Paper Writing, Margo Hotel Depok, 15 May 2019.
14. Khoirul Anwar, "Praktik Menulis Paper Ilmiah dengan \LaTeX ", University of Riau, Pekanbaru, 13 April 2019.
15. Khoirul Anwar, "5G-NR Key Technologies", 5G Training, Transtel, Telkom University, Bandung, 11-12 March 2019.
16. Khoirul Anwar, "PATRIOT-Net: Prevention and Recovery Networks for Indonesia Natural Disasters based on the Internet-of-Things (IoT): Ready for Implementation", Workshop Tahun I, Padang, 21 February 2019.
17. Khoirul Anwar, "Menjadi Muslim Cerdas dengan Mengingat Kematian", Pengajian Imajin of Japan Alumni of Tokyo Institute of Technology, Bandung, 17 February 2019.
18. Khoirul Anwar, "Building A World Class Research Center", Tutorial to Lecturer, Institut Teknologi Telkom Surabaya, Surabaya, 14 February 2019.
19. Khoirul Anwar, "Menulis Proposal Tugas Akhir dan Karya Ilmiah The Most Common Mistakes", General Lecture for Scientific Writing and Thesis Proposal, Bandung, 7 February 2019.
20. Khoirul Anwar, "Massive IoT Supporting Industry 4.0", PLN Knowledge Sharing 2018, PLN Batam, Batam, 3 December 2018.

21. Khoirul Anwar, "PATRIOT-Net: Prevention and Recovery Networks for Natural Disasters based on IoT -Exploiting Deep Learning Algorithm and 5G Communications-", ASEAN IVO 2018, Sari Pan Pacific, Jakarta, 27 November 2018.
22. Khoirul Anwar, "Pedoman Menulis Karya Ilmiah Authors, Reviewers, and Editors: How They Work for A Scientific Paper", Penulisan Jurnal Internasional Bereputasi UIN Sunan Gunung Djati, Bandung, 8 November 2018.
23. Khoirul Anwar, "Authors, Reviewers, and Editors: How They Work for A Scientific Paper Pedoman Menulis Karya Ilmiah", Penulisan Jurnal Internasional Bereputasi Unisma, Malang, 29 September 2018.
24. Khoirul Anwar, "5G and IoT for Industry 4.0: Innovation and Future Life Challenges", Pelatihan Peningkatan Kompetensi Pemeriksaan Paten Bidang Elektro dan Fisika, 25 September 2018.
25. Khoirul Anwar, "Pelatihan Simulasi dan Eksperimen 5G Channel Model", Universitas Sriwijaya, Palembang, 14 September 2018.
26. Khoirul Anwar, "Penulisan Jurnal Internasional Bereputasi", Ilmu Komputer, FMIPA, UGM, Yogyakarta, 4 September 2018.
27. Khoirul Anwar, "Workshop Menulis Ilmiah untuk Publikasi International", Kominfo 2018, Ciputat, Jakarta, 16 Agustus 2018.
28. Khoirul Anwar, "Basic Coding Theory for 5G Technology and Research Opportunities", Summer School, Telkom University, Bandung, 30 July – 4 August 2018.
29. Khoirul Anwar, "Analysis for Wireless Internet-of-Things Networks", University of Malaysia Sarawak, Sarawak, 26 July 2018.
30. Khoirul Anwar, "Current and future challenges of IoT: LPWA and SRD", Kominfo 2018, Telkom University, Bandung, 25 May 2018.
31. Khoirul Anwar, "Feasibility study for 5G Indonesia at 28 GHz", Kominfo 2018, Ciputat, Jakarta, 15 May 2018.
32. Khoirul Anwar, "Implementing TV Digital DVB-T2 Indonesia", Kominfo 2018, Ciputat, Jakarta, 14 May 2018.
33. Khoirul Anwar, "5G and IoT for Industry 4.0: Innovation Stall Rapid Expansion Maturity", Bintal 2018, SECAPA AD, Bandung, 7 May 2018.
34. Khoirul Anwar, "Curriculum for Future Digital System", FIT, Telkom University, 27 April 2018.
35. Khoirul Anwar and Tita Haryanti, "Coexistence of IMT-Advanced and FSS: Spectrum Sharing Analysis", Litbang Kominfo, Ciputat, Jakarta, 26 April 2018.
36. Khoirul Anwar, "Authors, Reviewers, and Editors: How They Work for A Scientific Paper Pedoman Menulis Karya Ilmiah", BP2D Pemprov Jawa Barat, Bandung, 3 April 2018.
37. Khoirul Anwar, "Latest Update on 5G: Understanding 5G NR Standard", Seminar of Parakontel 2018, Bandung-Online, 3 January 2018.
38. Khoirul Anwar, "Dasar-dasar Menulis Paper Ilmiah: Beserta Tips Praktis dan Penggunaan L^AT_EX", Pelatihan Penulisan Publikasi Ilmiah dan Presentasi Oral Universitas Padjajaran, Jatinangor, Bandung, 14 December 2017.
39. Khoirul Anwar, "Penulisan Karya Ilmiah dan Proposal (PKIP) Memahami Rancangan Eksperimen dan Tips untuk Reviewer", Pelatihan Penulisan Karya Ilmiah dan Proposal (PKIP) 2017 Bandung, 24 November 2017.
40. Khoirul Anwar, "Tutorial Scientific Writing and International Publications", IEEE Days – WISHY Congress, 9 October 2017.

41. Khoirul Anwar, "Menulis Karya Ilmiah dan Proposal Tugas Akhir", Telkom University, Bandung, 16 September 2017.
42. Khoirul Anwar, "Menulis Paper Ilmiah Berkualitas dan Publikasinya", Paguyuban Peneliti, Bandung, 9 September 2017.
43. Khoirul Anwar, "Menulis Paper Ilmiah di Jurnal Internasional: Beserta Tips Menulis dan Menggunakan L^AT_EX", Bimbingan Teknik Peningkatan Kompetensi Penulisan Jurnal Internasional, Gedung Utama, Kementerian Kominfo, Jakarta, 24–25 August 2017.
44. Khoirul Anwar, "Meneliti, Membimbing, dan Menulis Ilmiah", Training of Trainers (ToT), School of Electrical Engineering, Telkom University, Bandung, 21 July 2017.
45. Khoirul Anwar, "Basic Concept of Satellite and Terrestrial Communication Systems", Tutorial, Lokakarya Teknisi Telekomunikasi dan Elektronika, Ditjen Beacukai Kemenkeu RI 2017, Bandung, 19 July 2017.
46. Khoirul Anwar, "Challenges on Massive Internet of Things: Inspirations from Coding Theory", Tutorial, International Conference on Signal and System, Bali, 16–18 May 2017.
47. Khoirul Anwar, "Pelatihan Menulis Paper Ilmiah dan Publikasi Internasional", Tutorial, SD-PPPI, Kominfo, Ciputat, Jakarta, 8 May 2017.
48. Khoirul Anwar, "Inovasi Pelayanan Publik Menghadapi Masyarakat Ekonomi ASEAN", Training, Diklat IV Angkatan 3 dan 4, Cimahi, 25 April 2017.
49. Khoirul Anwar, "Pelatihan Menulis Paper Ilmiah dan Strategi Publikasi di Journal Internasional: Batch 3", Seminar Penulisan Paper Ilmiah, Telkom University, Bandung, 25 November 2016.
50. Khoirul Anwar, "Pelatihan Menulis Paper Ilmiah dan Strategi Publikasi di Journal Internasional: Batch 2", Seminar Penulisan Paper Ilmiah, Telkom University, Bandung, 15 November 2016.
51. Khoirul Anwar, "Pelatihan Menulis Paper Ilmiah dan Strategi Publikasi di Journal Internasional: Batch 1", Seminar Penulisan Paper Ilmiah, Telkom University, Bandung, 8 November 2016.
52. Khoirul Anwar, "Pelatihan Menulis Paper Ilmiah dan Strategi Publikasi di Journal Internasional", Seminar Penulisan Paper Ilmiah, Universitas Sriwijaya, Palembang, 5 November 2016.
53. Khoirul Anwar, "Extrinsic Information Transfer (EXIT) Analysis: From Point-to-Point Physical Encoding to Super-Dense Network Encoding", The 22-nd Asia Pacific Conference on Communications, Yogyakarta, Indonesia, 25–27 August 2016.
54. Khoirul Anwar, "Coding Theory and Signal Processing for Future Wireless Networks", Tutorial session, IEEE Asia Pacific Conference on Wireless and Mobile (APWIMOB), Bandung, Indonesia, August 2015.
55. Khoirul Anwar, "Coding Theory and Signal Processing for Future Wireless Networks", Tutorial session, IEEE Asia Pacific Conference on Wireless and Mobile (APWIMOB), Bandung, Indonesia, August 2015.
56. K. Anwar, "Spatially Coupled Codes for Wireless Networks: Short Introduction", *JAIST-ITB Cooperation Program*, ITB, Bandung, Indonesia, May 14, 2013.
57. K. Anwar, "Information Theory, Coding Theory and Challenges of Wireless Communications", *Teleconference Lecture*, Universitas Sriwijaya, Indonesia, October 31, 2012.
58. K. Anwar, "Information Theory, Coding Theory and Future Trend of Wireless Communications", *Half-day Lecture*, STKIP Surya, Tangerang, Banten, Indonesia, October 1, 2012.
59. K. Anwar and T. Matsumoto, "PUNA Wireless Communication Systems from the Viewpoint of Slepian-Wolf Multiple Access Channel", *One-day Lecture*, IEEE Indonesia Section and BPPT, Serpong, Indonesia.

60. T. Matsumoto, K. Anwar, and N. Ahmad, "Turbo Equalization: Fundamentals, Information Theoretic Considerations, and Extensions", *Tutorial*, IEEE Vehicular Technology Conference (VTC) Spring 2012, Yokohama, May 2012.
61. K. Anwar and T. Matsumoto, "Iterative Spatial Demapping for Simultaneous Full Data Exchange in Three-way Relaying Channels", A temporary document TD(12)03073, the 3rd COST IC-1004 Meeting, Barcelona, February 8–10, 2012.
62. X. Zhou, M. Cheng, K. Anwar and T. Matsumoto, "Distributed Joint Source-Channel Coding for Relay Systems Exploiting Spatial and Temporal Correlations", A temporary document TD(12)03072, the 3rd COST IC-1004 Meeting, Barcelona, February 8–10, 2012.
63. K. Anwar and T. Matsumoto, "(1) Chained Turbo Equalizations for Block Transmission without Guard Interval and Its Application on 4G Uplink SC-FDMA, (2) Iterative Spatial Demapper for Future Relaying System", *Tutorial*, One-Day Seminar ITTelkom 2011, Bandung, Indonesia, 29 Nov. 2011.
64. K. Anwar, "Genki Dama: An Inspiration for Block Transmission without Guard Interval", *Guest Lecture Seminar ITS 2010*, Institut Teknologi Sepuluh November (ITS), Surabaya, Indonesia, October 4, 2010
65. T. Matsumoto and K. Anwar, "Iterative Processing for Cooperative Communications Allowing Intra-Link Errors", *Tutorial*, 2nd COST IC-1004 MCM Meeting 2011, Instituto Superior Tecnico (IST), Lisbon, Portugal, 18 Oct. 2011.
66. K. Anwar and T. Matsumoto, "Turbo Principle for Multiterminal Networks: Theory and Applications", *Tutorial*, Institute Teknologi Bandung (ITB), Bandung, Indonesia, 11 November 2010.
67. K. Anwar and T. Matsumoto, "Turbo Equalization and Multiterminal Networks", *Tutorial*, One-day Seminar 2010 Universiti Teknologi Malaysia (UTM), 8 November 2010.
68. K. Anwar and T. Matsumoto, "Challenges in Wireless Communications Towards Eco-Driven Society", *Tutorial*, Inter-University Center, Institut Teknologi Bandung, Indonesia, 2 October 2009.
69. K. Anwar, "Trend of Wireless Communications: Complexity, Turbo Principle and Shannon Limit", *Guest Lecture*, PT LEN Industri (Persero) 2010, Bandung, Indonesia, Oct. 6, 2010.
70. K. Anwar and T. Matsumoto, "Spatial Turbo Coding and Its Extension into Slepian-Wolf Wireless Networks", *Guest Lecture*, Centre for Wireless Communications, University of Oulu, Finland, 11 September 2009.

TEACHING

Telkom University, Graduate School of Electrical-Telecommunications, Jl. Telekomunikasi No.1, Terusan Buah Batu, Bandung 40257, Indonesia.

Teaching on August 2023 - Feb 2024

- 5G and Beyond
- Probability and Statistics
- Quantum Information Technology in ITB
- Artificial Intelligence for Wireless Communications
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)
- Selected Topics 4 (Graduate)

Teaching on March 2023 - July 2023

- 5G and Beyond

- Electromagnetics
- Information Theory and Coding Theory
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)
- Selected Topics 4 (Graduate)

Teaching on **Sept. 2022 - Feb. 2023**

- Advanced 5G and Beyond
- Probability and Statistic
- Information Theory and Coding Theory
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)
- Selected Topics 4 (Graduate)

Teaching on **Feb 2022 - May 2022**

- 5G and Beyond
- Thesis proposal (international class)
- Information Theory and Coding Theory
- Artificial Intelligent for Wireless Communications
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on **August 2021 - December 2022**

- 5G and Beyond
- Thesis proposal (international class)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on **Jan 2021 - May 2021**

- Information Theory and Coding Theory (Graduate)
- Artificial Intelligent for Wireless Communications
- Thesis Proposal (international class)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on **August 2020 - December 2020**

- Information Theory and Coding Theory (Graduate)
- Modulation and Coding
- Artificial Intelligent for Wireless Communications
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on **January 2020 - July 2020**

- Information Theory and Coding Theory (Graduate)

- Studium General (Undergraduate)
- Scientific Writing for Paper, Journal, and Thesis (Undergraduate)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)
- Internship Job Training

Teaching on August 2019 - December 2019

- Information Theory and Coding Theory (Graduate)
- Studium General (Undergraduate)
- Scientific Writing for Paper, Journal, and Thesis (Undergraduate)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on January 2019 - May 2019

- Information Theory and Coding Theory (Graduate)
- Scientific Writing for Paper, Journal, and Thesis (Undergraduate)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on September 2018 - December 2018

- Information Theory and Coding Theory (Graduate)
- Cellular Communication Systems (Undergraduate)
- Scientific Writing for Paper, Journal, and Thesis (Undergraduate)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on February 2018 - August 2018

- Information Theory and Coding Theory (Graduate)
- Concept of Developing Science and Technology (KPST) (Undergraduate)
- Scientific Writing for Paper, Journal, and Thesis (Undergraduate)
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching on September 2017 - January 2018

- Information Theory and Coding Theory (Graduate)
- Cellular Communication Systems (Undergraduate)
- Scientific Writing for Paper, Journal, and Thesis (Undergraduate)
- ICT-based Management
- Selected Topics 1 (Graduate)
- Selected Topics 2 (Graduate)
- Selected Topics 3 (Graduate)

Teaching September 2016 - August 2017

- Information Theory.

- Coding Theory.
- Concept of Developing Science and Technology (KPST)
- Cellular Communication Systems
- Scientific Writing for Paper, Journal, and Thesis

Japan Advanced Institute of Science and Technology, 1-1 Asahidai, Nomi, Ishikawa, Japan
923-1211

Teaching

September, 2010 - 2013

Co-taught graduate level course for the Master and PhD of Information Science. Shared responsibility for lectures, exams, homework assignments, and grades.

- Information Theory.
- Coding Theory.

Nara Institute of Science and Technology, 8916-5 Takayama, Ikoma, Nara, Japan

Teaching Assistant

2006 – 2008

Duties at various times have included office hours and leading weekly computer lab exercises.

- Communication Systems.

Institut Teknologi Bandung, Jl. Ganesha 10, Bandung, Indonesia

Experimental Works Assistant

1998 – 2000

Supervise students for experiments in Physic Lab, Electronics Lab, Radio and Microwave Lab.

- Physic.
- Electronic Engineering
- Electronic Communications

COMPLETED
SUPERVISED
STUDENTS

January 2021

- 56 Arfa Chalida (S1)
- 59 Novia (S2)
- 58 Mujib Ramadhan (S2)

January 2020

- 57 Kautsar Fadly Firdaus (S2)
- 56 Dammar Adi Sujiansyah (S2)
- 55 Rahmattio Faiz Baihaqi (S2)
- 54 Ikhfan Ammar Rangkuti (s2)
- 53 Reni Dyah Wahyuningrum (S2): Telkom University 5G Channel Model Considering Humidity Effects
- 52 Matsna Nuraini Rahman (S2): Telkom University 5G Channel Model considering Temperature Effects
- 51 Niantiara (S1)
- 50 Enadevita (S1)
- 49 Ribas (S1)
- 48 Alhamdi Syukra (S1)
- 47 Luthfi Fauzi (S1): Eksperimen dan Pengujian Routing untuk Mobile Cognitive Radio Base Station (MCRBS)

- 46 Indriana Fitriotavia Endah Sobiroh (S1): Channel Coding for Wireless Capsule Endoscopy Using Raptor Codes
- 45 Sulthon Muhammad Fauzi Aulia (S1)
- 44 Fadillah Achmad (S1)
- 43 Hilman Auzan Mulyono(S1): Study on BCH Codes for Indonesia Digital Television DVB-T2 Broadcasting Systems
- 42 Olyvia Fransiska Andriani (S1): Pengkodean Kanal untuk Sistem Komunikasi Wireless di Pelabuhan
- 41 Dwi Juniarto (S1): Sistem Komunikasi Untuk Perangkat Terbang Dengan Kecepatan Tinggi
- 40 Dano Seto Anbela (S1): Antena Susunan Untuk Doppler Spread Compensator pada Sistem Kereta Cepat.
- 39 Citra Yasin Afa Fadhlika (S1): Studi pada Low Density Parity Check (LDPC) Codes untuk Televisi Digital DVB-T2 Indonesia

Year 2019

- 38 Tita Haryanti (S2)
- 37 Widiya Tria Putri Hidayat (S1): Routing Optimal pada Broadband Mobile Cognitive Radio Base Station (MCRBS) untuk Disaster Recovery Networks
- 36 Fauzil Halim Mufassa (S1): Analisis Exit untuk Iterative Decoding pada Polar Codes
- 35 Arini Fitri (S1): Simple Rateless Channel Coding Berbasis QC-LDPC Codes 5G New Radio untuk Internet Of Things
- 34 Obed Resha Ludwiniananda Handoko (S1): Studi Parameter Bhattacharyya untuk Polar Codes Blok Pendek dan Menengah di Kanal AWGN dan Rayleigh Fading
- 33 Dian Fitriyani (S1): Studi Pada Profil Radio Frequency TV Digital Indonesia DVB-T2 untuk Area Perkotaan
- 32 Anita Setyaningtyas (S1): Studi Profil Radio Frequency TV Digital Indonesia DVB-T2 untuk Daerah Rural
- 31 Muhammad Adib Kamali (S1)
- 30 Fadli Afandi Putra (S1)
- 29 Kumara Panji Atmaja (S1): Studi Performansi OFDM Numerology 5G New Radio (NR) pada Model Kanal 5G Indonesia
- 28 Muhammad Hendra Maulana Sambas (S1): Studi Efek Doppler untuk Future Railway Mobile Communication Systems di Indonesia
- 27 Abdul Khamid Ridwanuddin (S1): Studi Interferensi Antara Future Railway Mobile Communication Systems (FRMCS) dan GSM di Indonesia

October 2018

- 26 Juansyah (S1)
- 25 Fadilah Nur Hidayah (S2)

August 2018

- 24 Hario Prakoso (S1)
- 23 Siti Hartinah (S1)
- 22 Dammar Adi (S1)
- 21 Nur Kamila (S2)
- 20 Ines Visyeri Yuliani (S2)

- 19 Evander Christy (S2)
- 18 Khoirun Ni'amah (S2)
- 17 Larasati (S2)
- 16 Fransisca Margaret Pasalbessy(S1): Extrinsic Information Transfer (EXIT) Chart untuk Analisis Jaringan Internet Of Things (IOT)

March 2018

- 15 Alfaroby (S1)

June 2017

- 14 Fadilah Nur Hidayah (S1): Kode Raptor Berbasis Low Density Generator Matrix (LDGM) untuk Single Carrier Internet Of Things (SC-IoT)
- 13 Yoga Julian (S1)
- 12 Juansyah (S1)

In JAIST, Ishikawa, Together with Prof. Tad Matsumoto

- 11 Shofiyati Nur Karimah (S2)
- 10 Ade Irawan (S3)
- 9 Muhammad Reza Kahar Aziz (S3)
- 8 Yasuhiro Takano (S3)
- 7 Meng Cheng (S3)
- 6 Dominic (S2)
- 5 Xiao Bo (S3)
- 4 Zou Hui (S2)

In NAIST, Nara, Together with Prof. Minoru Okada

- 3 Takahiro Noguchi (S2)
- 2 Hiroshi Takahashi (S2)
- 1 Hiroyuki Okamoto (S2)

CERTIFICATION

- One-Week Training on Artificial Intelligence, Telkom University, Bandung, 24–28 July 2023.
- Telkom University Leaders Gathering, 24–25 January 2023.
- QBronze Diploma, Quantum Computing & Programming, QWorld Summer School July 2021.
- QSilver Diploma, Quantum Computing & Programming, QWorld Summer School July 2021.
- Training on Digital Economy Standardization and Application, International Telecommunication Union (ITU), 14 June to 27 June 2021.
- Sertifikasi Dosen, 4 November 2020.
- Sertifikasi of TOEP and TKDA, Jakarta, 19 August 2020.
- The First Tel-U English Medium Instruction Share Fair, March 12, 2019.
- Executive Leadership Training, October – November 2017
- BINTAL 2016
- PEKERTI 2016

SOCIETY/
PROFESSIONAL
MEMBERSHIP

- Co-chair of TF2, Think T20 for G20 2022.
- Indonesia 5G Task Force, Kominfo, 2021.
- 6G whitepaper expert, 2020.
- Indonesia 5G Forum, Chairperson of WG Radio and Technologies, since 2015.
- IEEE Senior Member, since 2016.
- IEEE, since 2004 (Information Theory Society and Communication Society)
- IEICE Japan, 2004–2019.
- ISTECS Japan, 2003–2016.
- Ikatan Ilmuwan Internasional Indonesia (I-4), since 2009

CONTRIBUTIONS TO
SOCIETY

- TPC for International conference on AI, Blockchain, Cloud Computing, Data Analytic (ICOABCD), Bali, August 2024.
- Indonesia Delegate for Mobile World Congress (MWC) 2023, Feb 25 – March 2, 2024.
- Indonesia Delegate for ASIA-PACIFIC TELECOMMUNITY, The 5th Meeting of the APT Conference Preparatory Group for WRC-23 (APG23-5), 20–25 February 2023, Busan, Republic of Korea.
- Indonesia Delegate for Mobile World Congress (MWC) 2023, Feb 25 – March 2, 2023.
- Indonesia Delegate for ITU WP5D Meeting, July 12, 2022.
- Indonesia Delegate on Huawei Connect 2022: Unleash Digital, Bangkok, September 19–21, 2022.
- Indonesia Delegate in The 4th Meeting of the APT Conference Preparatory Group for WRC-23 (APG23-4), 15–20 August 2022, Bangkok, Thailand.
- Indonesia Delegate in ASEAN-SSM-GSMA Workshop on Spectrum Vision 2030 – Delivering Digital Inclusion and Digital Transformation for ASEAN.
- Indonesia Delegate in Asia-Pacific Wireless Group (AWG)-30, Bangkok, 5–9 September 2022.
- TPC of IEEE SOFTT 2022.
- TPC of APWIMOB 2022.
- TPC of IEEE MeditCom 2022.
- Chairperson of IEEE Symposium on Future Telecommunication Technologies (SOFTT), December 2021.
- TPC of ICITAMEE 2020, August 2020.
- TPC of DASA'20, August 2020.
- TPC of IEEE Globecom 2020
- Vice-chairperson of Asia-Pacific Wireless Group (AWG), 2019–2021.
- TPC for IWCMC 2020 Wireless Networks
- Technical Program Chair (TPC) of IEEE 5G World Forum, Bangalore, India.
- Reviewer of Hindawi Journal on Wireless Communications and Mobile Computing, 2020.
- Technical Program Chair member of IEEE PIMRC 2020
- Technical Program Chair member of IEEE GLOBECOM 2019
- Technical Program Chair for Track 4: Multiple Antenna Systems and Cooperative Communications, IEEE Vehicular Technology Conference (VTC2019-Spring), April 2019.
- Judge of Internet-of-Things Competition 2018, FIT Telkom University, 28 September 2018.
- Chairperson of Wireless Group (WG) service and applications, Asia Pacific Telecommunity Wireless Group (AWG)-24, Bangkok, Thailand, 17–21 September 2018.
- Chairperson of Wireless Group (WG) service and applications, Asia Pacific Telecommunity Wireless Group (AWG)-23, Da Nang, Socialist Republic of Viet Nam, 9–13 April 2018.
- Chairperson of Wireless Group (WG) service and applications, Asia Pacific Telecommunity Wireless Group (AWG)-22, Busan, Shouth Korea, 25–29 September 2017.
- Chairperson of Wireless Group (WG) service and applications, Asia Pacific Telecommunity Wireless Group (AWG)-21, Bangkok Thailand, 3–7 April 2017.
- Delegation of Republic of Indonesia to Asia Pacific Telecommunity Wireless Group (AWG)-21, Bangkok Thailand, 3–7 April 2017.

- Reviewer of ICT Rural Development, 2018.
- Reviewer IoT Competition, FIT, Telkom University, 24 October 2017.
- Reviewer of IEEE ICC 2018.
- TPC Member of IEEE International Conference on Communications (ICC) 2018 - Wireless Communications Symposium (WCS).
- TPC Member of IEEE supported The National Foundation for Science and Technology Development (NAFOSTED) Conference on Information and Computer Science (NICS), Vietnam, Nov. 2017.
- Technical Program Committee (TPC) member of the International Conference on Signals and Systems 2017 (ICSigSys 2017), 16-18 May 2017, Bali, Indonesia.
- Technical Program Committee (TPC) member of the International Conference on Information and Communication Technology (ICOICT), 17-19 May 2017, Malaysia.
- Technical Program Committee (TPC) member of the IEEE GLOBECOM'17, December 2017, Singapore.
- Technical Program Committee (TPC) member of the International Symposium on Electronics and Smart Devices (ISESD) 2016, Bandung, November 2016.
- Technical Program Committee (TPC) member of the IEEE GLOBECOM'16 - CSSMA (2016 IEEE Global Communications Conference: Communications Software, Services and Multimedia Apps), December 2016, Washington DC, USA.
- Technical Program Committee (TPC) member of the IEEE International Conference on OFDM and Frequency Domain Techniques (ICOF 2016), August 2016, Essen, Germany.
- Technical Program Committee (TPC) member of the IEEE International Conference on Communications (ICC), Kuala Lumpur, Malaysia, June 2016.
- Technical Program Committee (TPC) member of the IEEE PIMRC 2016, September 2016, Valencia, Spain.
- Technical Program Committee (TPC) member of the IEEE International Conference on Telecommunications (ICT) 2016, May 2016, Thessaloniki, Greece.
- Technical Program Committee (TPC) member of the IEEE International Conference on Telecommunications (ICT) 2016, May 2016, Thessaloniki, Greece.
- Technical Program Committee (TPC) member of the IEEE International Conference on Control, Electronics, Renewable Energy, and Communications 2016 (ICCEREC 2016), September 2016, Bandung, Indonesia.
- Technical Program Committee (TPC) member of the IEEE International Conference on Communications (ICC), London, UK, June 2015.
- Technical Program Committee (TPC) member of the IEEE ICITEE, Thailand, 2015.
- Technical Program Committee (TPC) member of the IEEE ARIEET, Indonesia, November 2015.
- Technical Program Committee (TPC) member of the IEEE APWIMOB, Indonesia, 27-29 August 2015.
- Technical Program Committee (TPC) member of the IEEE ICCEREC, Indonesia, 27-29 August 2015.
- Technical Program Committee (TPC) member of the IEEE PIMRC 2015, Fundamentals and Physical Layer, August 2015, Hong Kong, China.
- Technical Program Committee (TPC) member of the IEEE International Conference on Communications (ICC), Sydney, Australia, 10-14 June 2014.
- Technical Program Committee (TPC) member of the IEEE Wireless Communications and Networking Conference (WCNC) Track 1: PHY, Istanbul, Turkey, 6-9 April 2014.
- Technical Program Committee (TPC) member of the 7th IEEE International Conference on Signal Processing and Communications Systems (ICSPCS'13), Gold Coast, Australia, 16-18 Dec 2013.
- Technical Program Committee (TPC) member of the The 5th IEEE International Conference on Information Technology and Electrical Engineering (ICITEE'13), Yogyakarta, Indonesia, 7-8 Oct 2013.
- Technical Program Committee (TPC) member of International Conference of Information and Communication Technology (ICOCT), 20-22 March 2013, at The Trans Luxury Hotel in Ban-

dung, Indonesia.

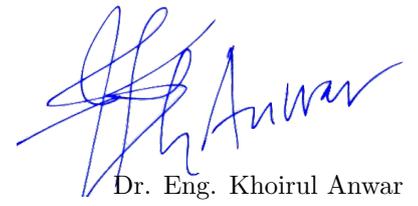
- Technical Program Committee (TPC) member of The 8th International Wireless Communications and Mobile Computing Conference (IWCMC 2012), Wireless Sensor Networks Symposium, Cyprus, August 27-31, 2012.
- Technical Program Committee (TPC) member of the First IEEE International Conference on Communications in China, Signal Processing for Communications Symposium, Beijing, August 15-18, 2012.
- A Session Chair of IEEE International Conference on Communications (ICC), Kyoto, June 10-15, 2011.
- Technical Program Committee (TPC) member of IEEE International Conference on Communications (ICC), Kyoto, June 10-15, 2011.
- A technical document (TD) to the 3rd COST IC-1004 Meeting, Barcelona, February 8-10, 2012. The title of my TD is "IC1004 TD(12)03073 Iterative Spatial Demapping for Simultaneous Full Data Exchange in Three-way Relaying Channels".

COST (European Cooperation in Science and Technology) is one of the longest-running European instruments supporting cooperation among scientists and researchers across Europe. COST has a very specific mission and goal. It contributes to reducing the fragmentation in European research investments and opening the European Research Area to cooperation worldwide. It anticipates and complements the activities of the EU Framework Programmes, constituting a "bridge" towards the scientific communities of emerging countries. It also increases the mobility of researchers across Europe and fosters the establishment of scientific excellence.

IC1004 is the Action on Cooperative Radio Communications for Green Smart Environments. This Action addresses research issues in the field of cooperative radio communications to make our society cleaner, safer, and more energy efficient.

- TPC of PIMRC 2020
- TPC of ICITEE 2019
- TPC of ICMSAO 2019
- TPC of ICSigSys 2019
- TPC of ICT 2019
- TPC of IEEE WCNC 2019
- Reviewer of IEEE ICC 2019.
- Reviewer of ISESD 2018.
- Reviewer of IEEE Communications Letter (CL) since 2009
- Reviewer of IEEE Trans. on Vehicular Technology (TVT) since 2006
- Reviewer of IEEE Trans. on Communications (TCOM) since 2009
- Reviewer of IEEE Trans. Signal Processing (TSP) since 2009
- Reviewer of IEEE Global Telecommunications Conference (GLOBECOM) since 2008
- Reviewer of IEEE Vehicular Technology Conference (VTC) since 2005
- Reviewer of IEEE International Conference on Communications (ICC) since 2009
- Reviewer of IEEE Military Communications (MILCOM) since 2007
- Reviewer of IEEE Asia-Pacific Conference on Communications (APCC) since 2006
- Reviewer of IEEE Personal, Indoor and Mobile Radio Communications (PIMRC) since 2005
- Reviewer of IEEE Wireless Personal Multimedia Communications (WPMC) since 2008
- Reviewer of IEEE International Symp. on Wireless Communication Systems (ISWCS) since 2005
- Reviewer of IEEE Wireless Communications and Networking Conference (WCNC) since 2005
- Reviewer of Springer Journal, Wireless Personal Communications since 2009
- Reviewer of IEICE Transaction on Fundamentals (A), and Communications (B) since 2008
- Reviewer of ISTECS Journal and conferences since 2006
- Reviewer of conference on sustainable energy since 2010
- Advisory Board of Institute for Science and Technology Studies (ISTECS), Tokyo
- Advisory Board of the Indonesian International Scholars Association, *Ikatan Ilmuwan Indonesia International* (I-4), Jakarta
- Chair of the cluster of informatics and electrical engineering (IEE), I-4, Jakarta

Last Updated on February 5, 2025,



Dr. Eng. Khoirul Anwar