Assoc. Prof. Sherif Khiray Eldyasti

PERSONAL INFORMATION									
Specialization:		Position:	Room:	Phone:	Email:				
Electronics and Communication Eng.		Head of Graduation Project and Examination committee	A308	01101122226	sherifkh@aast.edu				
EDUCATION									
Degree	University			Country	From	То			
PhD	Ain Shams University			Cairo, Egypt	2013	2018			
MSc	Arab Academy of Science, Technology & Maritime Transport (AASTMT)			Cairo, Egypt	2001	2006			
BSc	Arab Aca Maritime	idemy of Science, Techno Transport (AASTMT)	Cairo, Egypt	1993	1998				

ACADEMIC EXPERIENCE

Sherif Eldyasti is a Ph.D. holder from Ain Shams University, Cairo, Egypt. He started his Ph.D. studies in March 2013 and took the degree in 2018. During his Ph.D. studies, he helped undergraduate students in understating their courses and helped them in their graduation projects. In addition, he has published one journal paper and two conference papers. Earlier, he graduated from the department of Electronics and Communication Engineering from the Arab Academy for Science, Technology and Maritime Transport (AASTMT) in September 1998, he started working in AASTMT since 2000 as a teaching assistant and he finished his M.Sc. in March 2006. Then appointed as an Assistant Lecturer. Throughout his working period in AASTMT, he taught a numerous number of courses such as Signal and Systems, Introduction to communication systems, Digital Communication, Modern Wireless Communication, Electromagnetics, Electromagnetic Transmitting Media, Antenna Engineering and Advanced Antenna Systems. He also helped in a plenty of administrative work such as preparing classes and exams schedules, proctor, preparing exams, preparing model answers, grading, and helping the college of engineering to receive the Accreditation Board for Engineering and Technology (ABET). He also helped in organizing many national and international conferences.

PROFESSIONAL EXPERIENCE

February 2000 - Present, Arab Academy of Science, Technology & Maritime Transport, Assistant Lecturer.

- The preparation of lectures and seminars utilizes different teaching methods including group discussions and training sessions.
- A range of administrative functions from tableting and setting the exams calendar, supervising the process and checking the university's system efficiency.
- Organizing committee of international conference on Advanced Technology and Applied Sciences 2016 -present
- Organizing committee of SPRS first Geospatial Week in AASTMT 2023
- Head of Advising Committee in electronics and communication department 2012-2018
- Head of Examination Committee in electronics and communication department 2011-2022
- Head of ISO and quality committee in electronics and communication department 2011-2022
- Head of international Relations and Agreements ... Since February 2023
- Organizing

POSITIONS

Institution	Position	Country	From	То
AASTMT	Associate Professor	Cairo, Egypt	2023	Present
AASTMT	Lecturer	Cairo, Egypt	2018	2023
AASTMT	Senior TA	Cairo, Egypt	2006	2018
AASTMT	ТА	Cairo, Egypt	2000	2006

LATEST PUBLICATIONS

- Amina I Abdelmaksoud, Sherif K Eldiasty, Hesham M Elbadawy, Hadia Elhennawy, Bassant Abdelhamid, "Enhanced Channel Estimation Performance-Based Intelligent Reflecting Surface Massive MIMO Systems," *Journal of Advanced Research in Applied Sciences and Engineering Technology*, pp. 263-274, 2025.
- Arkan Mousa Majeed, Fatma Taher, Taha A Elwi, Zaid A Abdul Hassain, Sherif K El-Diasty, Mohamed Fathy Abo Sree, Sara Yehia Abdel Fatah, "High Gain Defected Slots 3D Antenna Structure for Millimeter Applications," *Journal of Advanced Research in Applied Sciences and Engineering Technology*, vol. 46, no. 1, pp. 136-145, 2025.
- Mohamed Edris Menna Nabil, Hussein H. Ghouz, Sherif El-Diasty, "A Novel Slot-MIMO Antenna Approach for Improved Connectivity in Sub-6 GHz Applications," *Journal of Advanced Research in Applied Sciences and Engineering Technology*, vol. 50, no. 2, pp. 103-118, 2024.
- Khaled Ramadan Mohamed S. Elbakry, Sherif K. Eldyasti, "Non-Orthogonal Algorithm with Fourier Transform Symmetry for Performance Enhancement of DCO-OFDM Systems," *Journal of Advanced Research in Applied Sciences* and Engineering Technology, vol. 50, no. 1, pp. 78-87, 2024.
- Engy A. Abdelazim, Sherif K. Eldayasti, Hussein M. ELAttar, Mohamed A. Aboul-Dahab, "MFDROO: Matrix Factorization-Based Deep Reinforcement Learning Approach for Stable Online Offloading in Mobile Edge Networks," *IEEE Access*, vol. 40, no. 12, pp. 1-24, 2024.
- Sherif K. Eldyasti & M. S. H. Salah El-Din K. Nirmala Devi, C. Annadurai, I. Nelson, Sunil Lavadiya, "Novelshaped expandable quad-port MIMO antenna using FR4 material with features of high isolation and band width for 5G networks, Wi-Fi, and satellite communication applications," *Optical and Quantum Electronics*, vol. 56, no. 1272, 2024.
- Isah Musa Danjuma, Salamatu Abubakar Ibrahim, Prince Siaw, Ahmed S. I. Amar, Shaza M. EL-Nahass, Sherif K. EL-Diasty, Mohamed Abouldahab, "Rectangular Slotted Monopole Antenna Design for Breast Cancer Tumor Detection," in 2024 International Telecommunications Conference (ITC-Egypt), 2024.
- Fady Anis, Mohamed Hussein, Sherif El Diasty, Mohamed H Abd Elazeem, "On Dynamic Resource Allocation Schemes for D2D Communications Over Ultra-Dense 5G Cellular Networks," in 2024 6th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE).
- Eman Ismail, Sherif El-diasty, Mohamed Fathy Abo Sree, Mohamed Aboul-Dahab, "Patch Antenna Design Using DGS Technique for Early Detection of Brain Tumor at Stages I to V," in 2024 6th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), 2024.
- Rodina Hassan, Sherif K. Eldayasti, Mohamed A. Aboul-Dahab, "Design of a Compact, Dual-band, and Single-Fed Patch Antenna for 5G Applications," in 2023 5th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), 2023.
- Sara Y. Abdel Fatah Hesham M. Emara, Sherif K. El Dyasti, Hussein H. M. Ghouz, Mohamed Fathy Abo Sree, "Compact High Gain Microstrip Array Antenna Using DGS Structure for 5G Applications," *Progress In Electromagnetics Research C*, vol. 130, no. 213, pp. 213 - 225, 2023.
- Hesham Emara, Sherif El Dyasti, Hussein Ghouz, Mohamed Abo Sree, "Design of a compact dual-frequency microstrip antenna using DGS structure for millimeter-wave applications," *Journal of Advanced Research in Applied Sciences and Engineering Technology*, vol. 28, no. 3, pp. 221-234, 2022.
- SK Eldiasty R Amr, NA Zaher, SM Gasser, "A New Deep Spiking Architecture for Reconstruction of Compressed data in Cognitive Radio Networks," *IEEE Access*, 2022.

- Hesham Mahmoud Emara, Hussein Hamed Mahmoud Ghouz, Sherif Khairy El Dyasti, Mohamed Fathy Abo Sree, "Novel compact microstrip antennas with two different bands for 5G applications," in 2022 International Telecommunications Conference (ITC-Egypt), 2022.
- Marwa M El-Wazzan, Hussein H Ghouz, Sherif K El-Diasty, Mohamed A Aboul-Dahab, "Compact and integrated microstrip antenna modules for mm-wave and microwave bands applications," *IEEE Access*, vol. 10, pp. 70724-70736, 2022.
- Hesham Mahmoud Emara, Sherif K El Dyasti, Hussein Hamed Mahmoud Ghouz, Mohamed Fathy Abo Sree, "Design of a Compact Dual-Frequency Microstrip Antenna for Millimeter-Wave Applications," *Journal of Advanced Research Design*, vol. 90, no. 1, pp. 1-11, 2022.
- Mamdouh M. Gholam, Sherief K. El-Diasty, Hussein M. ElAttar, "Interference Cancellation for 5G Vehicle-to-Everything (V2X) Communication," in 2022 2nd International Conference on Computers and Automation (CompAuto), Paris, 2022.
- Sherif El Dyasti, Maged Medhat Mostafa, Hussien Ghoz, Mohamed Fathy Abo Sree, "Novel and Compact Circular Ring Microstrip Antenna with Parasitic Chip for 5G Applications," *Journal of Physics: Conference Series*, vol. Journal of Physics: Conference Series, no. 1, p. 012007, 2021.
- H Shatila and M Aboul-Dahab H M N Helmy, S El Daysti, "Performance Enhancement of Massive MIMO Using Deep Learning-Based Channel Estimation," *IOP Conference Series: Materials Science and Engineering*, vol. 1052, 2021.
- Sherif El Diasty and Mohamed Hassan Mohamed Ashraf, BenBella S Tawfik, "MANET's Energy Consumption using proposed Ant-Colony Optimization and Integer Linear Programming Algorithms," *Journal of Physics: Conference Series*, p. 1447, 2020.
- HadiaEl-Hennawy Sherif K.El Dyasti, Esam A.A.Hagras, "QSM-IDM A novel Quadrature Spatial Modulation based on Interleave Division Multiplexing for multiple antenna system," *Digital Communications and Networks*, vol. 5, no. 3, pp. 183-188, 2019.
- Sherif K El Dyasti, Esam AA Hagras, Adel E El-Hennawy, "Chip by chip iterative detection for spatial modulation aided multiple input Multiple Output system," in 2015 32nd National Radio Science Conference (NRSC), 2015.
- Sheirf k. Eldyasti, Essam A.A. Hagras, Adel El-Hennawy, "MMSE based beamforming for Chip Interleaved CDMA in aeronautical mobile radio channel," in *Conference on Engineering and Technology (ICET), 2014 International*, 2014.
- SE El-Khamy, MA Aboul Dahab, S Khiray, "An efficient subspace technique for joint angle and delay estimation of wireless users using circular array," in *wenty-Second National Radio Science Conference, 2005.* NRSC 2005., 2005.

TEACHING EXPERIENCE

A wide range of courses can be taught due to the working experience in AASTMT since 2004, Here is a list of this courses and not limited to:

- Measurement and Instrumentation
- Electronic Measurement
- Signals and Systems
- Introduction to analog Communication
- Digital Communication
- Statistical Communication Systems
- Advanced Communication Systems
- Selected topics in Communications
- Modern Wireless Communication
- Electromagnetics
- Electromagnetic Transmitting Media
- Antenna Engineering
- Microwave Systems
- Advanced Antenna Engineering
- Advanced Mathematics in Engineering (Postgraduate Course)
- Advanced Digital Communication (Postgraduate Course)