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Ahmed Shaban Samra received the B.Sc. and the M.Sc degree in communications engineering from Menoufia University 1977, 1982 respectively, and the Ph.D. degree in optical communications and integrated optics from ENSEG, Grenoble, France in 1988. Reviewer for some international journals and conferences; (Optical engineering journal, Optoelectronic Review journal, Optoelectronics and advanced materials rapid communication journal, Optik journal, and the six international conference on wireless and optical communication networks WOCN 2009). Supervisor for about 70 M.Sc and Ph.D. Thesis, and more than 90 accepted papers in a national and international journals and conferences. He was a head of communication and computer Department, Faculty of Technology, El-madina El-monawara, Saudi Arabian. Further, he was a head of the Electronics and Communication Engineering Department, Faculty of Engineering, Mansoura University. Additionally, He was a director of Biomedical Engineering Program and director for Training unit, Faculty of Engineering, Mansoura university. He is now a professor at the faculty of engineering, Mansoura University. His research interests are in the field of optical communications, integrated Optics and optical measurement techniques

Mohamed Abdelazim professor of communication networks at the ECE department Faculty of Engineering Mansoura University. I got my B.Sc at 1995, my M.ac. at 2001, and Ph.D. at 2006. I have awarded the full professor at 2017. I have supervised 62 master and Ph.D. thesis and I have published 215 papers in international journals and conferences. I am interested in multimedia security and wireless networks.

Ibrahim Lotfi El-Kalla (I. L. El-Kalla) is a professor of Engineering mathematics since 2012. He holds a B.Sc. in Mechanical power Engineering (1991), M.Sc. (1995) and Ph.D. (2002) in Engineering Mathematics. Also, Prof. El-Kalla is an academic visitor to the School of Engineering, Wolverhampton University, United Kingdom (2006). Prof. El-Kalla has many managerial experiences including Dean of the higher institute of engineering and technology in Mansoura College academy (2014), Vice Dean of the faculty of engineering (2018) and Head (Chairman) of the textile Engineering department (2019). Prof. El-Kalla is a member of the committee for promotion of professors and associate professor in Mathematics and Engineering physics (committee No.13). Prof. El-Kalla has got many awards for example, he has been awarded the second most successful paper award from the INTERNATIONAL ASSOCIATION FOR MATHEMATICS AND COMPUTER IN SIMULATION (IAMCS).

Nihal Fayed is a professor and director of the Communications and Computers Engineering program at Faculty of Engineering Mansoura University. She is working in the area of computational electromagnetics including antennas, photonic crystal fibers, sensors, polarization handling devices, silicon on insulator (SOI), surface plasmon applications, nano antennas, and solar cells. Based on her research, 46 journal papers, mostly in IEEE, IEE and OQE journals, have been published, and 25 conference papers have been presented in the best national and international meetings. Additionally, one international book has been published by the world-leading scientific publishers; Wiley (Computational Liquid Crystal Photonics: Fundamentals, Modelling and Applications, 2016). Further, one international book chapter has been published by IGI Global (Innovative Materials and Systems for Energy Harvesting Applications: Optical Nano-Antennas for Energy Harvesting and Applications, 2016). Further, she acts as a principal investigator (PI), CO-PI or consultant for research projects (funding in the region of 5 M EGP). She is currently supervising externally-funded more than 30 PhD students, RAs and Postdoctoral Research Assistants. Dr Nihal has got many awards including best PhD thesis from Mansoura University for the year 2009. In addition, she



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has been awarded the Incentive State Award for Engineering Sciences from the Egyptian Government in 2018. Further, she received the Shrouk Academy award for scientific innovation in electronic engineering and applications for the year 2016. Additionally, she got the Medal of Excellence from the Egyptian President (2019). She has been elected as a member of the Higher Committee for the Ethics of Scientific Research at Mansoura University since 2021. She has also been elected as a member of the lists of arbitrators for the promotion of professors and assistant professors in the field of electronics and communication engineering. Dr. Nihal is member of Hindawi Editor Community of Journal of Electrical and Computer Engineering - Communications. She is member of Reviewer community for many journals as PIER C, IEEE PTL and American journal of electromagnetics and applications.

Hossam El-Din Moustafa Professor at the Department of Electronics and Communications Engineering, the founder and former executive manager of Biomedical Engineering Program (BME) at the Faculty of Engineering, Mansoura University. Now, he is the general coordinator of specific programs. He is an IEEE senior member. Research interests include biomedical imaging, image processing applications, and bioinformatics.

Amr M. T. Ali-Eldin (Senior Member, IEEE) received the Ph.D. degree in computer systems engineering from the Delft University of Technology, in 2006. He worked as an IT consultant for a number of international companies in The Netherlands and a Lecturer with the Leiden Institute of Advanced Computer Science, Leiden University, The Netherlands. He currently works as an Associate Professor of computer engineering with Mansoura University. He has more than 20 years of experience in international information and communication technology projects in both research and industrial domains. His research interests include the Internet of Things, software engineering, privacy, security, and artificial intelligence

Mohamed M. Abdelsalam received his Ph.D. from Mansoura University in 2014. He is currently an Associate Professor in computers engineering and control systems department in the Faculty of Engineering, Mansoura University, Egypt. His position now is the executive manager of biomedical engineering program at Faculty of Engineering, Mansoura University, Egypt. His research interests include image processing, adaptive control, artificial intelligence, expert systems, computer networks, and data mining. He has several research papers in medical image analysis and expert system design and analysis.

Mohammad E. M. Rizk (IEEE Member since 2019) received the B.Sc. and M.Sc. degrees in Electrical Engineering from Mansoura University, Mansoura, Egypt in 2007 and 2011 respectively, and the D.Sc. degree from Aalto University, Espoo, Finland, in 2016. He joined Aalto University as a postdoctoral researcher at the Department of Electrical Engineering and Automation in 2017. Currently, he is Associate Professor of electrical engineering at Mansoura University. His research interests include power system transients, lightning overvoltage in power systems and transient electromagnetic fields.

Ehab H. Abdelhay is an assistant professor at Faculty of Engineering, Mansoura University, Egypt. He received the B.Sc. degree in Comm. Engineering from Mansoura University, Egypt in 2005. He received M.Sc. degree from the same university in 2010. He received Ph.D. degree from the same university in 2015. He worked as a Demonstrator at Department of comm. and electronics - Faculty of Engineering, Mansoura University, from 2006, Lecture assistant from 2011, and Lecturer from 2015 till now. His research interest the area of Wireless



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Telecommunication Systems, WSNs, Speech and Image processing, embedded systems, Security, Machine learning. - Doi: <https://orcid.org/0000-0002-7819-1586>.

Samir Shamseldeem is an associate professor of Engineering Mathematics in Mathematics and Engineering Physics Department, Faculty of Engineering, Mansoura University. He received his PhD from the University of Nottingham, UK (2011) after MSc in Mathematics from Mansoura University (2006) and BSc in communication and Electronic Engineering from Faculty of Engineering Mansoura University (1998). He teaches Engineering mathematics courses for Engineering students and deliver lectures in real analysis and differential equations for mathematics postgraduate students.

Samah Adel worked for 10 years as lecturer and teaching assistant in Mansoura University in Mansoura, where she obtained her MSc. degree in Computers Engineering and System Dept. She got the master's degree in the area of VANET Routing using data mining techniques in 2017 at Computers Engineering and System Dept, Mansoura University, Egypt. She got the Ph.D. Degree in the area of traffic light management in smart cities depending on fuzzy inference engine and Fog computing systems at Computers Engineering and System Dept, Mansoura University, Egypt. She is currently a lecturer in the faculty of Engineering, Mansoura University, Egypt. Her research interests are mainly focused on Data mining, Classification, Cloud Computing, Health Care, Machine Learning.

Hesham Helmy Gad graduated from the Faculty of Engineering-Mansoura University-Computer and Systems Engineering Department in 2006 with Excellent with honor. He got his MSc. and Ph.D. degrees in Control Systems Engineering (CSE) from the same department in 2010 and 2016, respectively. He worked as a demonstrator in CSE department from 2006 to 2010 and worked as an assistant lecturer in in the same department from 2010 to 2017. From 2017 till now, he is working as a university lecturer in CSE department and other departments such as Mechatronic Engineering (MTE) and Computer and Communication Engineering (CCE) Departments. His major field of specialization: control systems, embedded systems, renewable energy and power electronics control systems.

Islam Elmasoudi received the B.Sc. and M.Sc. degrees in Structural Engineering from Mansoura University, Mansoura, Egypt in 2010 and 2016 respectively, and the Ph.D. degree from Egypt Japan University, Alexandria, Egypt in 2020. Currently, he is Lecturer of structural engineering at Mansoura University. His research interests include construction project management, life cycle assessment of buildings and environmental impact assessment of building's construction.

Mohamed Mahmoud Ashour is currently working as an assistant professor in the Department of Electronics and Communications Engineering (Faculty of Engineering - Mansoura University). He holds a Bachelor's degree in Electronic Engineering in May 1993 (Faculty of Engineering - Mansoura University). Holds a master's degree in electrical communications engineering April 1996 (Faculty of Engineering - Mansoura University). He holds a PhD in Electrical Communications Engineering in March 2005 (Faculty of Engineering - Mansoura University). He is currently supervising 4 doctoral theses and five master's theses. Currently, he is working on research in the field of fifth generation communication networks and software defined networks.



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Muhammad El-Sayed Morsy was born in the city of Mansoura in 1962. He obtained a Bachelor's degree in Electrical Communications Engineering with a grade of excellent with honors. He was appointed as a teaching assistant in the Department of Communications and Electronics Engineering in 1986. He received his master's degree in Communications and Electronics Engineering in 1990 and was appointed as an assistant teacher in the Department of Communications and Electronics Engineering in 1990. He received his PhD from the Department of Communications and Electronics Engineering in 1996. In 1996, he was appointed as a Assistance professor in the Department of Communications and Electronics Engineering. He was loaned to teach at the College of Communications and Electronics, Jeddah in the Kingdom of Saudi Arabia from 2001 to 2010. Since returning from the secondment, he has been teaching many courses in the Department of Communications and Electronics Engineering, Faculty of Engineering, Mansoura University, including - digital and analog electronics course - electronic measurements course - digital image processing course - computer applications course in communication engineering.

Hanan Amer is associate professor in Mansoura university. She holds M.sc. and B.sc. in Electronics and communication Engineering from Mansoura university. I have 9 published papers. She is the second supervisor in more than 10 Phd and master students.

Waleed Elsaed Elbeshbeeshy is a Lecturer in Mathematics and Engineering Physics – Faculty of Engineering – Mansoura university - Egypt. He hold a B.Sc. in Electronics and communications Engineering from Faculty of Engineering – Mansoura university, Egypt in 1993. He hold a M.Sc. in Mathematics and Engineering Physics – Faculty of Engineering – Mansoura university – Egypt in 1998. He hold a Ph.D. in Mathematics and Engineering Physics – Faculty of Engineering – Mansoura university – Egypt in 2005.

Fatma Elerian is an assistant professor in Production engineering and mechanical design department. She hold M.Sc. and B.Sc. in Production engineering from Mansoura Univ., Egypt and a Ph.D. in production engineering from friendship university, Moscow, Russia. She is the supervisor of more than 5 master theses from the faculty of Engineering and Dentistry. She is a supervisor of the fine measurement and calibration laboratory- Faculty of engineering - Mansoura university- Egypt. She is also a supervisor of mechanical vibration and dynamic systems laboratory -Faculty of engineering- Mansoura university- Egypt. She is a member of Project research with title of “Manufacturing of Intensive Care Ventilator: A Response to Covid-19 Pandemic”. Mansoura University.

Atallah Elshenawy graduated from the Faculty of Engineering-Mansoura University-Electronics & communication department in 2008 with Excellent with honor. He got his MSc. In engineering mathematics from Physics & Engineering Mathematics department in 2014 and PhD degree in Mathematics from Kazan Federal University, Russian Federation in 2020. He worked as a demonstrator in Physics & Engineering Mathematics department from 2008 to 2014 and worked as an assistant lecturer in in the same department from 2014 to 2020. From 2020 till now, he is working as a university lecturer in Physics & Engineering Mathematics department. From 2021 till now he works as vice- CEO of Communications & computer program in Faculty of Engineering, Mansoura University. His major field of specialization: applied mathematics, Numerical analysis.



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Amir Abdel Menaem is a lecturer of the electrical engineering program at Mansoura university. He holds a Ph.D. in Electrical Engineering from URFU Univ., Russia. He was received the M.Sc. and B.Sc. degrees in electrical engineering from Mansoura University, Egypt, in 2008 and 2014, respectively. His field of interests include power electronics, artificial intelligence techniques, power system operation, planning of hybrid renewable energy systems, and uncertainty analysis, renewable distributed generations, and optimization techniques.

Asmaa H. Rabie, received a B. Sc. in Computers and Systems Engineering, with general grade Excellent with class honor in 2013. She got the master Degree in the area of load forecasting using data mining techniques in 2016 at Computers Eng. and system dept, Mansoura University, Egypt. She got the Ph.D. Degree in the area of load forecasting using data mining techniques in 2020 at Computers eng. and system dept, Mansoura University, Egypt. Her Interests (Programming Languages, Classification, Big Data, Data Mining, healthcare system, and Internet of Things), she is currently a lecturer in the faculty of Engineering, Mansoura University, Egypt.