



KEYNOTE SPEAKERS

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Ahmed M. R. Fath El Bab was born in Cairo, Egypt, in 1974. He received the M.Sc. and Ph.D. degrees from Assiut University, Assiut, Egypt, in 2002 and 2008, respectively. His Ph.D. work was in the field of micromachined tactile sensors for robotics and medical applications. From October 2006 to October 2008, he was a Visiting Researcher at the Tabata Laboratory, Kyoto University, Kyoto, Japan. During this period, he gained experience in microfabrication experimentally. Since January 2009, he has been a Lecturer (Assistant Professor) in the Department of Mechanical Engineering, Faculty of Engineering, Assiut University. Currently, he is Associate Professor at Mechatronics and Robotics Engineering at Egypt-Japan University of Science and technology E-JUST. His interests include microsensors (principle, simulation, design, and fabrication), micromachining and its application in MEMS, tactile sensing systems (tactile sensing and display), micro energy harvesting devices, and Micro fluidics systems. Dr. Fath El Bab was a recipient of the Best Ph.D. Thesis Prize in Engineering Sciences from Assiut University in 2010. He got the prize of Highly Commended paper in the 2017 Emerald Literati Network Awards for Excellence for the paper "Graphene film development on flexible substrate using a new technique: temperature dependency of gauge factor for graphene based strain sensors" published in Sensor Review. Also the best paper award in the IEEE Seventh International Conference on Computational Intelligence, Modelling and Simulation (CIM Sim 2015) of the paper entitled "Design, Modeling and Simulation of a Micro Tactile Sensor for Soft Tissue Stiffness Measurement with Three Tips Configuration". He is the Publication chair of the 1st international conference on innovative Engineering- ICIES 2012, Alexandria, 7-9 Dec., Sponsored by IEEE, RAS. He is founder of E-JUST Micro & Nano Fabrication center of Excellence. He graduate 15 PhD students and 6 MSc. in the field of design and fabrication of micro systems. He is the PI of projects of more than 7 M LE. He is a part-time lecturer in Pan African University Institute for Basic Sciences, Technology and Innovation (PAUSTI).