



The 9th IEEE International Symposium on Next-Generation Electronics (ISNE 2021)

Changsha, China, July10-12, 2021

第九届 IEEE 下一代电子国际学术会议 (ISNE2021)

2021年7月10日-12日, 中国长沙

官方网站: isne2020.aconf.gov, isne2021.aconf.org

会议通知/征稿启事

ISNE 是由 IEEE 和 IEEE Electron Devices Society 联合发起的国际会议, 致力于新一代电子技术理论方面的发展和应用方面的进步。近年来, 新型半导体材料, 新一代集成电路, 光电器件和材料, 太赫兹技术, MEMS, 纳米技术, 微加工工艺等的广泛应用, 促进了新一代电子技术与 5G 通信, 生物医学, 航天航空和能源科学等领域的广泛交叉与融合。

第九届下一代电子国际会议 (ISNE2021) 由长沙理工大学物理与电子科学学院承办。欢迎广大同行投稿、参会! 所有会议论文将由 IEEEExplore 出版, EI 收录索引。

征文范围:

- ◆ 微电子器件与材料 Microelectronic Devices and Materials
- ◆ 化合物半导体材料与光电器件 Compound Semiconductor Materials, and Optoelectronic Devices
- ◆ 可再生可持续能源器件与材料 Renewable and Sustainable Energy Device and Materials
- ◆ 集成电路与系统 Integrated Circuits and Systems
- ◆ 生物电子 Bioelectronics
- ◆ 传感器与封装技术 Sensors, Packaging Technologies
- ◆ 射频与微波电路 RF and Microwave Circuits
- ◆ 物联网与人工智能技术 IOT and AI Techniques
- ◆ 计算机通讯和多媒体技术 Computer Communication and Multimedia Techniques

论文模板/投稿:

- ◆ 登录会议官方网站 <https://isne2020.aconf.org>, <https://isne2021.aconf.org>

重要时间:

- ◆ 论文投稿截至时间: 2021年4月11日
- ◆ 论文录用通知时间: 2021年5月11日
- ◆ 注册时间: 2021年6月15日
- ◆ 会议时间: 2021年7月10日-12日

会议形式/安排

- ◆ 会议形式: 大会报告、分会报告、海报张贴、展览展示、专题讲座等。
- ◆ 会议地址: 湖南长沙现代凯莱大酒店
- ◆ 会议安排 (暂定) :

7月10日 上午	7月10日 下午	7月11日 上午	7月11日 下午	7月12日 上午
开幕仪式 大会报告	分会报告 海报张贴	分会报告 海报张贴	分会报告 海报张贴	分会报告 专题讲座
展览展示				

组织结构:

承办单位: 长沙理工大学物理与电子科学学院

大会主席: 肖伏良, 长沙理工大学, 教授

大会副主席: 刘俊杰, 深圳大学, 教授; 刘其城, 长沙理工大学, 教授

联系方式:

- ◆ 一般事务: 邹望辉, 电话: 13517402460, Email: zouwh@csust.edu.cn
- ◆ 稿件: 吴丽娟, 电话: 18773166795, Email: ljwumm88@csust.edu.cn;
- ◆ 网站: 卞立安, 电话: 15616195746, Email: dk061bianlian@126.com
- ◆ 赞助: 白创, 电话: 15387576800, Email: 154317586@qq.com
- ◆ 会务: 蒋琳瑗, 电话: 13507426482, Email: 407748086@qq.com

大会报告主讲嘉宾:



Prof. M. Jamal Deen is Distinguished University Professor, Senior Canada Research Chair in Information Technology, and Director of the Micro- and Nano-Systems Laboratory, McMaster University. His current research interests are nanoelectronics, optoelectronics, nanotechnology, data analytics and their emerging applications to health and environmental sciences.

Prof. M. Jamal Deen has published more than 560 peer-reviewed articles (about 20% are invited and with an h-index of 57), two textbooks on “Silicon Photonics- Fundamentals and Devices” and” Fiber Optic Communications: Fundamentals and Applications”, 12 awarded patents of which 6 were extensively used in industry, and 18 best paper/poster/presentation awards. He is a Distinguished Lecturer of the IEEE Electron Device Society for more than a decade. His awards and honors include the Callinan Award as well as the Electronics and Photonics Award from the Electrochemical Society; a Humboldt Research Award from the Alexander von Humboldt Foundation; the Eadie Medal from the Royal Society of Canada; McNaughton Gold Medal (highest award for engineers), the Fessenden Medal and the Ham Education Medal, all from IEEE Canada IEEE Canada In addition, he was awarded the four honorary doctorate degrees in recognition of his exceptional research and scholarly accomplishments, professionalism and service.

Prof. M. Jamal Deen has also been elected Fellow status in ten national academies and professional societies including The Royal Society of Canada - The Academies of Arts, Humanities and Sciences (the highest honor for academics, scholars and artists in Canada), IEEE, APS (American Physical Society) and ECS (Electrochemical Society). He served as the elected President of the Academy of Science, The Royal Society of Canada in 2015-2017.

大会报告主讲嘉宾:



Eun Sok Kim received the B.S., M.S., and Ph.D. degrees, all in electrical engineering, from the University of California, Berkeley, in 1982, 1987, and 1990, respectively.

In Fall 1999, he joined the University of Southern California, Los Angeles, where he is currently a Professor of the Ming Hsieh Department of Electrical and Computer Engineering-Electrophysics. From July 1, 2009 to June 30, 2018, he chaired the Electrophysics division of the department. From Spring 1991 to Fall 1999, he worked at the Department of Electrical Engineering in the University of Hawaii at Manoa as a faculty member. Previously, he worked at IBM Research Laboratory, San Jose, CA, NCR Corp., San Diego, CA, and Xicor Inc., Milpitas, CA as a co-op student, design engineer, and summer-student engineer, respectively.

Prof. Kim is an expert in piezoelectric and acoustic MEMS, having published about 240 refereed papers and 15 issued patents in the field. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the Institute of Physics (IOP). He serves as an editor for IEEE/ASME Journal of Microelectromechanical Systems. He has been awarded a Research Initiation Award (1991-1993) and a Faculty Early Career Development (CAREER) Award (1995-1999) by National Science Foundation. He received Outstanding EE Faculty of the Year Award at U. of Hawaii in May 1996 and the IEEE Transactions on Automation Science and Engineering 2006 Best New Application Paper Award.

专题讲座主讲专家：

讲座题目：集成电路静电保护理念与设计



Jun J. Liou received the B.S. (honors), M.S., and Ph.D. degrees in electrical engineering from the University of Florida, Gainesville, in 1982, 1983, and 1987, respectively. In 1987, he joined the Department of Electrical and Computer Engineering at the University of Central Florida (UCF), Orlando, Florida where he held the positions of Pegasus Distinguished Professor, Lockheed Martin St. Laurent Professor, and UCF-Analog Devices Fellow. His research interests are electrostatic discharge (ESD) protection design, modeling and simulation, and characterization. Currently, Dr. Liou works as a chair professor of Zhengzhou University, China and endowed professor of Zhejiang University, China.

Dr. Liou holds 20 patents and has published 13 books (1 more in press), more than 310 journal papers (including 21 invited review articles), and more than 250 papers (including more than 110 keynote and invited papers) in international and national conference proceedings. He has been awarded more than \$14.0 million of research contracts and grants from federal agencies (i.e., NSF, DARPA, Navy, Air Force, NASA, NIST), state government, and industry, and has held consulting positions with research laboratories and companies in the United States, China, Japan, Taiwan, and Singapore.

Dr. Liou received ten different awards on excellence in teaching and research from the University of Central Florida (UCF) and six different awards from the IEEE. His other honors are Fellow of IEEE, Fellow of IET, Fellow of AAAS, Fellow of Singapore Institute of Manufacturing Technology, Fellow of UCF-Analog Devices, Distinguished Lecturer of IEEE Electron Device Society (EDS), and Distinguished Lecturer of National Science Council. He holds several honorary professorships, including the Chang Jiang Scholar Endowed Professor of Ministry of Education, China – the highest honorary professorship in China.

Dr. Liou had served as the IEEE EDS Vice-President of Regions/Chapters, IEEE EDS Treasurer, IEEE EDS Finance Committee Chair, Member of IEEE EDS Board of Governors, and Member of IEEE EDS Educational Activities Committee.