2016 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications (IMWS-AMP 2016)

Chengdu, China
20-22 July 2016
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Stepan Lucyszyn, Imperial College London, UK

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Bo Zhang, University of Electronic Science and Technology of China, China

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**Chairs:** Linsheng Wu, Shanghai Jiao Tong University, China  
Wenchao Chen, Zhejiang University, China

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**Chairs:** Shaoqiu Xiao, University of Electronic Science and Technology of China, China  
Changrong Liu, Soochow University, China

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**Chairs:** Jianqiang Gu, Tianjin University, China  
Qiye Wen, University of Electronic Science and Technology of China, China

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**Chairs:** Xiuyin Zhang, South China University of Technology, China  
Sheng Sun, University of Electronic Science and Technology of China, China

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Chairs: Yasuaki Monnai, Keio University, Japan
Christophe Fumeaux, University of Adelaide, Australia

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ORAL Session: TB5
Multi-Modes RF to THz Integrated Circuits
Chairs: Wencheng Lai, National Taiwan University of Science and Technology
Yongzhong Xiong, SDRL, Terahertz research Center, CAEP, China

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<td>Yuehong Dong, Yuehang Xu, Ruimin Xu, Bo Yan China, Mainland</td>
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<td>A Ku-band CMOS LNA with transformer feedforward gm-boosting technique</td>
<td>Chenxi Zhao, WeiQiang Lu, Yiming Yu, Zhengdong Jiang, Yunqiu Wu, Huihua Liu, Kai Kang China, Mainland</td>
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Zheng Zhong, Yong-Xin Guo  
(Singapore) |
| 16:00 - 16:20 | Statistical Models for Microwave GaN HEMTs (Invited)  
Yuehang Xu, Zhikai Chen, Ruimin Xu  
(China, Mainland) |
| 16:20 - 16:40 | An Improved Large Signal Model for AlGaN/GaN HEMTs including Comprehensive Thermal Effect  
Mi Zhang, Wenquan Che, Ma Kaixue  
(China, Mainland) |
| 16:40 - 17:00 | A robust small-signal equivalent circuit model for AlGaN/GaN HEMTs up to 110 GHz  
Yonghao Jia, Yuehang Xu  
(China, Mainland) |
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**Special Session: Advanced Metamaterials and Metasurfaces II**  
**Chairs:** Weixiang Jiang, *Southeast University, China*  
**Ping Chen, Nanjing University, China**

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**Microwave and THz Filters Based on Advanced Material and Technology**  
**Chairs:** Wenjie Feng, *Nanjing University of Science & Technology, China*  
**Zhangcheng Hao, Southeast University, China**

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Chair: Yongling Ban, University of Electronic Science and Technology of China, China
Yikai Chen, University of Electronic Science and Technology of China, China

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