

## **APEMC Young Professional Event**

### **APEMC Young Professional Session - May 6<sup>th</sup>**

#### **Session Chair:**

Hanzhi Ma, Assistant Professor, Zhejiang University, China, IEEE EMC Society Young Professional Ambassador

#### **Invited Talks:**



**Jose Schutt-Aine**

Professor, University of Illinois Urbana-Champaign, USA

IEEE Fellow

**Title:** Co-Design for Heterogeneous Integration - Challenges and Opportunities

**Bio:** José E. Schutt-Ainé is with the faculty in the Electrical and Computer Engineering Department at the University of Illinois at Urbana-Champaign. His research interests are on signal integrity for high-speed digital and high-frequency applications. He received the 2024 IEEE-EPS Outstanding Sustained Technical Contribution Award. Dr. Schutt-Ainé is an IEEE Fellow, EPS Distinguished Lecturer, and served as Co-Editor-in-Chief of the IEEE Transactions on Components, Packaging and Manufacturing Technology (T-CPMT) from 2007 to 2018. He is currently chairing the Co-design chapter of the IEEE-EPS Co-Design Chapter of the Heterogeneous Integration Roadmap.



**Shaoying Huang**

Associate Professor, Singapore University of Technology and Design,  
Singapore

**Title:** The Recent Progress of Low-field Portable MRI Hardware, EMC related research, Open-source Efforts, & the Future Perspectives

**Bio:**

Shaoying Huang is an Associate Professor at the Singapore University of Technology and Design (SUTD) and the founder and director of the BioMed-EM Lab, where she leads interdisciplinary research at the convergence of electromagnetics, magnetic resonance, and biomedical engineering. She received her B.Eng., M.Eng., and Ph.D. degrees in Electrical and Electronic Engineering from Nanyang Technological University, Singapore, and subsequently held postdoctoral appointments at the University of Hong Kong and the Massachusetts Institute of Technology (MIT). Dr. Huang is internationally recognized for her pioneering contributions to portable and low-field magnetic resonance imaging (MRI), spanning system design, radiofrequency and electromagnetic innovation, and AI-enabled image reconstruction. Her research also encompasses MR electrical property tomography, nonlinear and physics-informed reconstruction methods, and RF/microwave sensing for noninvasive biomedical applications. She has authored numerous peer-reviewed journal articles and conference papers, delivered invited and plenary talks at major international forums, and holds multiple patents translating fundamental research into practical technologies. Beyond academia, Dr. Huang is a co-founder of the deep-tech startup ezyMRI, which aims to bring accessible and scalable MRI solutions to real-world clinical and point-of-care settings. She is also an active contributor to the global MRI and electromagnetics communities, serving on technical program committees, organizing international workshops and hackathons, and contributing to professional societies including IEEE and the International Society for Magnetic Resonance in Medicine. Through her research, entrepreneurship, and community leadership, Dr. Huang is committed to advancing affordable, mobile, and intelligent imaging technologies that broaden access to high-quality healthcare worldwide.

## Panel Discussion on Young Professional Development



**Er-Ping Li**

Professor, Zhejiang University, China

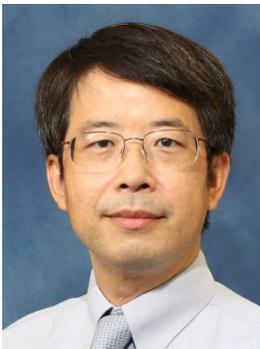
IEEE Fellow, APEMC President



**Jose Schutt-Aine**

Professor, University of Illinois Urbana-Champaign, USA

IEEE Fellow



**Lijun Jiang**

Professor, Missouri University of Science and Technology, USA

IEEE Fellow, APEMC TPC Chair



**Shaoying Huang**

Singapore University of Technology and Design

Associate Professor, Singapore University of Technology and Design,

Singapore



**Syed Muzahir Abbas**

Lead Antennas Design Engineer, GME Pty Ltd, Sydney, Australia

IEEE EMC Society Young Professional Ambassador



**Hanzhi Ma**

Assistant Professor, Zhejiang University, China

IEEE EMC Society Young Professional Ambassador

### **APEMC Young Professional Social Event**

It's going to be a great evening of networking with seasoned experts and other young members in our field, enjoying a drink and a delicious dinner, meeting EMC Society Young Professional Ambassadors, learning about the opportunities available to you as a Young Professional within the EMC and APEMC Society, and of course – a handful of prizes/giveaways!

\*Pre-registration is required for this YP social event. The registration link will be available soon.

**Time:** May 5<sup>th</sup>, Evening

**Venue:** Bara On Six | Steakhouse and Bar, Traders Hotel Kuala Lumpur, Kuala Lumpur City Centre, 50099 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur

**Organizers:**

Hanzhi Ma, Zhejiang University, China

PavithraKrishnan Radhakrishnan, Oklahoma State University, USA



Previous EMC Society YP Event, Photos by Karthik Vepuri