IEEE Workshop on RFID for Smart City
Forum on Metamaterials for EM Engineering

IEEE Singapore Council on RFID

1 November 2019 (Friday)
Infuse Theatre, Level 14, Connexis South Tower, 1 Fusionopolis Way, Singapore 138632

Smart city concepts with tremendous benefits in energy efficiency, security, health, communication in daily life are taking off. Fast evolving technologies, including **RFID**, **5G**, **metamaterials**, are the enabling factors of these concepts. And it is important for entrepreneurs, investors, technologists and engineers to understand the state-of-the-art of these technologies behind the smart city. By recognizing this demand, **IEEE Singapore Council on RFID** is organizing a workshop covering the fundamental theories and practical skills in this area. We are honoured to invite **IEEE Fellows** in local universities and research institutes together with **industrial specialists** to give technical speeches and extensive knowledge sharing in this workshop. Further, **a forum** is combined with the workshop to reveal more insights of related **metamaterial technologies**. More details and updates can be found from the chapter website: https://r10.ieee.org/singapore-rfid/.

PROGRAMME	
1 November 2019 (Friday)	
8:45 – 9:00	**Registration**
9:00 – 9:10	**Opening Ceremony & Welcome Address** *Prof. Chen Zhining, Chair, CRFID Singapore*
9:10 – 9:40	**Metamaterial Based Near Field Antennas** *Dr. Qing Xianming, IEEE Fellow, Institute for Infocomm Research*
9:40 – 10:10	**Advanced RFID Applications on AI, Library and Aviation** *Dr. Anna Lau Pui Yi, CTO, Laxcen, AIM Global Board, Director*
10:10 – 10:30	**Coffee break**
10:30 – 11:00	**Enabling a Digital Airport** *Mr. Lim Tuang Hin, Head – Aviation Industry Division, Civil Aviation Authority of Singapore*
11:00 – 12:00	**Forum on Metamaterials for EM Engineering: Part I** - *5 Student presentation and competition (10 mins oral + 2 mins Q&A)*
12:00 – 14:00	**Lunch**
14:00 – 14:30	**An UHF RFID System for Nasogastric Tube Location in Vivo** *Dr. Richard Gao Xianke, Senior Scientist, Institute of High Performance Computing*
14:30 – 15:10	**RFID Technology for Libraries – HF or UHF?** *Mr. Ramachandran Narayanan, Director and Deputy CIO, National Library Board*
15:10 – 15:30	**Coffee break**
15:30 – 17:30	**Forum on Metamaterials for EM Engineering: : Part II** - *8 Student presentation and competition (10 mins oral + 2 mins Q&A)* - *Prize presentation*

Contact Us: Dr. Terence See, spsee@i2r.a-star.edu.sg, for general enquiries.
Dr. Nasimuddin, nasimuddin@i2r.a-star.edu.sg, for registration and payment enquiries.

Registration Form

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Registration
> Fees: SGD 300 for non-students, SGD 150 for students.
> Please fill the registration form and send back to Dr. Nasimuddin: nasimuddin@i2r.a-star.edu.sg

Methods of Payment
1. Bank Transfer: DBS Bank Ltd (Account Name: IEEE Singapore Section, Account Number: 032-004861-7)
2. Cheque: Payable to "IEEE Singapore Section" crossed and marked "A/C payee only".
   Attn: Dr. Nasimuddin, 1 Fusionopolis Way, #21-01 Connexis (South Tower), Singapore 138632

Name (Prof/Dr/Ms/Mr): _____

☐ Student   ☐ Non-student

Email: _____

Organization/Company : _____

Payment :

☐ Bank Transfer   ☐ Cheque

Date : _____   Signature: _____