

WORKSHOP ON 6G WIRELESS

SLTC Research University

Program Agenda

14.05.2022

09:15 - 09:20 – Welcome Speech about **6G Wireless Workshop** by Dr. Samikkannu Rajkumar

09:20 – 09:25 – **Motivation of 6G Wireless** by Prof. Dush Jayakody, Director Postgraduate, Research & Impact/ SLTC Research University

09:25 - 09:30 – Speech by Dr. Udesb Oruthota, Director Resources/ SLTC Research University

09:35 – 09:40 – Speech by Eng. Ranjith Rubasinghe, Founder & CEO, SLTC Research University

09:40 – 09:50 – **Invited talk** Major General Renuka Rowel Rtd

09:50 – 09:55 – Vote of Thanks Dr Ambrish

Forenoon

Session 1: 10:00AM to 11:00AM - **Prof. Ionnis Krikidis, PhD, IEEE Fellow, University of Cyprus, Cyprus**

-Topic: **Wireless Information and Energy Transfer on 6G Networks**

Session 2: 11:00AM to 12:00PM – **Prof. D.N.K. Jayakody, PhD, SMIEEE, FIET**

COPELABS, Lusófona University, Portugal

- Topic: **UAV Based Simultaneous Wireless Information and Power Transfer**

Session 3: 12:00PM to 01:00PM – **Prof. Ammar Muthanna, PhD, SMIEEE, Associate Professor, Saint-Petersburg, RUSSIA**

- Topic: **Intelligent service migration for 6G networks**

Afternoon

Session 4: 02:00PM to 3:00PM – **Prof. Moisés Vidal Ribeiro, PhD, SMIEEE, Associate Professor, Federal University of Juiz de Fora, Brazil**

- Topic: **Underwater Communication -practical session**

Session 5: 03:30PM to 04:30PM – **Dr. P. G. S. Velmurugan, PhD, IEEE, Associate Professor, Thiagarajar Engineering College, Madurai**

- Topic: **Reconfigurable intelligent Surface -practical session**

Session 5b: 04:30PM to 05:30PM – **Prof. Ghanshyam Singh, PhD, SMIEEE, Professor and Director, University of Johannesburg, South Africa**

- Topic: **THz communications for 6G**

15.10.2022

Forenoon

Session 6: 09:30AM to 10:30AM – **Prof. Himal A. Suraweera, PhD, SMIEEE, Senior Lecturer, University of Peradeniya, Sri Lanka**

- Topic: **Machine learning-based system design for visible light communication: Solutions, and open issues**

Session 7: 11:00AM to 12:00PM – **Prof. S. J. Thiruvengadam**, PhD, SMIEEE, Professor, Thiagarajar Engineering College, Madurai

- Topic: RIS assisted Wireless Communication Systems

Session 8: 12:00PM to 01:00PM – **Prof. Vimal Bhatia**, PhD, SMIEEE, Professor of Electrical Engineering at IIT Indore

- Topic: NOMA -practical session LABVIEW USRP

Afternoon

Session 9: 02:00PM to 3:00PM – **Dr. Tharindu P. D. Perera**, PhD, IEEE, Senior Lecturer, SLTC Research University

- Topic: Unmanned Aerial Vehicle Communication

Session 10: 03:30PM to 04:30PM – **Dr. Ajay Yadav**, PhD, IEEE, Associate Professor in ECE Department, Bennett University, Greater Noida, Uttar Pradesh

- Topic: Role of VLC in 6G Communication

Session 11: 04:30PM to 05:10PM – **Dr. S. Rajkumar**, PhD, IEEE, Research Scientist, SLTC, Research University

- Topic: Cache-aided NOMA - practical session

Session 12: 05:10PM to 05:40PM - **Dr. Amrish Kumar**, PhD, IEEE, Postdoc, SLTC, Research University

- Topic: Visible Light Communications

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