

## SCHEDULE

### **Thursday, 15 November 2018**

#### **09.00-10.00: Opening Session**

- 09.00-09.30: Welcome Remarks from General Chair
- 09.30-09.45: Welcome Remarks from IEEE / Comsoc
- 09.45-10.00: Welcome Remarks from USU

#### **10.00-12.00 Keynote Session**

- 10.00-11.00 Keynote 1: BestGo resource allocations for quantum-cloud-computing services and MIMO communications with blockchain and big data by Prof. Wanyang Dai (Nanjing University, China)
- 11.00-12.00 Keynote 2: Indonesia Broadband Frequency Roadmap by Dr. Ir. M Ridwan Effendi, MA.Sc (ITB, Indonesia)

#### **12.00-13.30 Lunch Session**

#### **13.30-15.30 Tutorial Day One**

- 13.30-14.30: Developing Antenna in the era of IR4.0 by Suherman, MT, PhD (University of Sumatera Utara, Indonesia)
- 14.30-15.30: Next Generation Satellite for 5G and Beyond by Dr. Anggoro Widiawan (Telkom Indonesia)

#### **15.30-17.00: Communications Session**

- Design and Realization of Biquad Microstrip Antenna at 2.4 GHz Frequency for WLAN by Arman Sani and Naemah Mubarakah (University of Sumatera Utara, Indonesia)
- Hybrid Cryptosystem for Image Security by Using Hill Cipher 4x4 and ElGamal Elliptic Curve Algorithm by Dian Rachmawati (Universitas Sumatera Utara, Indonesia)



- Impact of Rayleigh and Rician Fading Environments to the Performance of Cooperative Device-to-Device by Nasaruddin Nasaruddin, Isyatur Raziah and Afdhal Afdhal (Syiah Kuala University, Indonesia)
- Indonesia Satellite Supply Profile based on ITU Filings Year 2017-2035 by Anna Situmorang (University of Indonesia, Indonesia); Dadang Gunawan (Universitas Indonesia, Indonesia)
- RAPID TIMEER: An Alternative Solution for Post-Disaster Rapid Assessment by Udrekh Udrekh (Agency for the Assessment and Application of Technology (BPPT), Indonesia); Swasetyo Yulianto (Agency for Assessment and Application of Technology (BPPT), Indonesia); Agustan Agustan (Agency for the Assessment and Application of Technology (BPPT) & PTPSW-BPPT, Indonesia); Oni Bibin Bintoro (Agency for Assessment and Application of Technology (BPPT), Indonesia)
- Resource Description Framework Generation for Tropical Disease Using Web Scraping by Amalia Amalia (University of Sumatera Utara, Indonesia)

### **Friday, 16 November 2018**

#### **09.30-11.30: Tutorial Day Two**

- 09.30-10.30: IoT based on Satellite Communications by Dr. Ary Murti (Telkom University, Indonesia)
- 10.30-11.30: Network Design of Assistive Technology for Smart Home Care by Dr. Kurnianingsih (Polines, Semarang)

#### **11.30-13.30: Lunch Session**

#### **13.30-14.30: Networks Session**

- Filtering Spam Text Messages by Using Twitter-LDA Algorithm by Dani Gunawan (University of Sumatera Utara, Indonesia)
- Google Map and Camera Based Fuzzified Adaptive Networked Traffic Light Handling Model by Rajendra Thilakarathne, Anjali Nirmani, Aruna Wickramasinghe, Sachini Senanayake and Prasanna S. Haddela (Sri Lanka Institute of Information Technology, Sri Lanka)
- Intrusion Prevention System Against Denial of Service Attacks Using Genetic Algorithm by Baihaqi Siregar (Universitas Sumatera Utara, Indonesia); Seniman Seniman and Fahmi Fahmi (University of Sumatera Utara, Indonesia)
- V2V Mobility Modeling and Simulation Using PBC Messages for Traffic Congestion Mitigation by Afdhal Afdhal, Ahmadiar Ahmadiar and Nasaruddin Nasaruddin (Syiah Kuala University, Indonesia)



# 7<sup>th</sup> IEEE COMNETSAT 2018

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Grand Aston Hotel, Medan, November 15-17, 2018



IEEE ComSoc  
IEEE Communications Society  
Indonesia Chapter

IEEE  
INDONESIA SECTION

AESS  
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## 14.30-15.00: Satellite, Broadband and Photonics Session

- Autonomous Unmanned Solar Powered HAPS: Impact of Latitude and Seasons on Communications Coverage by Ogbonnaya Anicho, Philip B Charlesworth, Gurvinder Baicher and Atulya K Nagar (Liverpool Hope University, United Kingdom (Great Britain))
- Optical OFDM (O-OFDM) for Intensity Modulated/Direct Detection Optical Systems by Adil El Kabli (University of Mohamed V & Nokia, Morocco); Moulay Ahmed Faqih (ENSIAS - University Mohammed V Souissi, Morocco)

## 15.00-15.30: Closing Session

***Saturday, 17 November 2018***

**All day - Social Event**

7<sup>th</sup> IEEE International Conference on Communications, Networks and Satellite 2018

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