2017 Sixth International Conference on Communications and Networking (ComNet 2017)

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29 March – 1 April 2017

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PROGRAM

Wednesday, March 29th, 2017	
8:30 am - 9 am	**Opening ceremony**
9 am - 10:15 am	**Tutorial session** **Spatiotemporal Stochastic Models for 5G and Beyond** **Part 1: Motivation and Applications** **Mohamed-Slim Alouini**
10:15 am -10:45 am	**Coffee break**
10:45 am - 12:30 am	**Tutorial session** **Spatiotemporal Stochastic Models for 5G and Beyond** **Part2: Theory and Futures researches** **Hesham ElSawy**
12:30 am- 2 pm	**Lunch**
2 pm - 4:00 pm	**Session 1: WLAN/ 5G Services and Architectures Chair: Heshem El Sawy** **Mobile User Association for Heterogeneous Networks Using Optimal Transport Theory 21** *Hakim Ghazzai, Hamidou Tembine, Mohamed-Slim Alouini* **A Dynamic Access Control Scheme to balance Massive Access Requests of Differentiated M2M Services in 5G/HetNets 104** *Kaouther Taleb Ali, Sonia Ben Rejeb, Zied Choukair* **New Hybrid Rate Adaptation Algorithm (HR2A) for video streaming over WLAN 7** *Aicha Idriss Hentati, Lamia Chaari Fourati, Ofla Ben Rhaiem*

Thursday, March 30th, 2017	
9 am - 10 am	**Tutorial session** **Some Geolocation Determination Techniques** **Abbas Yongacoglu**
10 am - 11 am	**Session 2: Physical communications Chair: Mohamed Siala** **Comparative Study of Two Array Configurations for 2D-DOA Estimation in LS-MIMO Systems 78** *Sahbi Mazlout, M. Bessem Ben Salah, Abdelaziz Samet* **Analyzing Performance of Joint SVR Interpolation for LTE System with 64-QAM Modulation under 500 Km/h Mobile Velocity 1** *Anis Charrada, Abdelaziz Samet*
11 am -11:30 am	**Coffee break**
11:30 am - 1 pm	**Session 3: QoS/QoE Chair: Zied Choukair** **A Fluid Approach for Evaluating the Performance of TCP Traffic in the Presence of Real Time Traffic 53** *Mohamed El Hedi Boussada, Mounir Frikha, Jean Marie Garcia* **PDAS: PLR-Delay Aware Scheduler for Real Time Application in LTE-A 59** *Saloua Hendaoui, Nawel Zanga, Sami Tabbane* **QoE-based Vertical Handover Decision Management for Cognitive Networks using ANN 97** *Aymen Ben Zineb, Mohamed Ayadi, Sami Tabbane*
1 pm	**Lunch**
Cultural and touristic program	

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Session 4: Grid/Cloud   Chair: Abbas Yongacoglu.

9 am - 10:30 am

Weighted grid authorization graph (WGAG)   27
Sara Namane, Mustafa Kaiiali, Nacira Ghoualmi, Rajeev Wankar, C.R. Rao, Sakir Sezer

Cost-aware Virtual Machines Placement Problem under constraints over a Distributed Cloud Infrastructure   40
Eya Dhib, Khaled Boussetta, Nawel Zangar, Nabil Tabbane

A Comparative Study of RPL Objective Functions   66
Ines Kechiche, Ines Bousnina, Abdelaziz Samet

10:30 am - 11 am   **Coffee break**

Session 5: SDN/NDN   Chair: Mounir Frikha

11 am - 12:30 am

On the Approaches for Efficient Mobility Management in SDNized Wireless Networks   32
Manzoor A. Khan, Sebastian Peters, Xuan T. Dang, Tobias Dörsch, Patrick Engelhard

Taxonomy and Comparative Study of NDN Forwarding Strategies   45
Narjes Aloulou, Mouna Ayari, Mohamed Faten Zhani, Leila Azouz Saidane, Guy Pujolle

Green and Secure Relay Selection Algorithm in Cooperative Networks   91
Takwa Bouallegue, Kaouthar Sethom

12:30 am - 2 pm   **Lunch**

Session 6: VANETs & Security   Chair: Sami Tabbane

2 pm - 4 pm

SODV Speed based ad hoc On Demand Vector link Routing Protocol: A Routing Protocol for VANET Networks   13
Kchaou Manel, Chaari Lamia

Medium Access Control in VANET   72
Narjes Boulila, Leila Azouz Saidane

Privacy Group Distance Bounding Protocol on TH-UWB based NTRU Public key Cryptosystem   84
Jamel Miri, Bechir Nsiri, Ridha Bouallegue

9 am - 10:15 am

Tutorial session
Towards a connected-intelligent world:
Overview of IoT Applications and Technologies
Wael Guibene

10:15 am-10:45 am   **Coffee break**

10:45 am - 12 am

Tutorial session
Towards a connected-intelligent world: Use Case
Wael Guibene

12 am - 12:30 am

Awards ceremony

Closing ceremony

12:30 am - 2 pm   **Lunch**