

2015 International Symposium on Networks, Computers and Communications

(ISNCC 2015)

**Yasmine Hammamet, Tunisia
13-15 May 2015**



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**Program at Glance of the International Symposium on
Networks, Computers and Communications (ISNCC-2015)
Yasmine Hammamet, Tunisia - May 13-15, 2015**

Date	Time	Event
Day 1 – Wednesday May 13, 2015	08:15 am – 09:00 am	Registration
	09:00 am – 09:30 am	Opening Ceremony Ahmed Meddahi & Tarek Bejaoui
	9:30 am – 10:30 am	Keynote Speaker 1: Prof. Mohamed Siala (University of Carthage, Tunisia) Chair : Prof. Ahmed Meddahi
	10:30 am – 11:00 am	Coffee Break
	11:00 am – 01:00 pm	Session 1: Networks Architectures and Communications
	01:00 pm – 02:30 pm	Lunch
	02:30 pm – 04:00 pm	Session 2: Network Security and Privacy
	04:00 pm – 04:30 pm	Coffee Break
	04:30 pm – 05:30 pm	Session 3: Networks Applications and Infrastructure
Day 2 – Thursday May 14, 2015	09:00 am – 10:00 am	Keynote Speaker 2: Prof. Pascal Lorenz (University of Haute Alsace, France) Chair : Dr. Tarek Bejaoui
	10:00 am – 10:30 am	Coffee Break
	10:30 am – 12:30 pm	Session 1: Network Performance and QoS I
	12:30 pm – 02:30 pm	Lunch & Best Paper Award Ceremony
	04:30 pm +	Banquet and Social Event
Day 3 – Friday May 15, 2015	09:00 am – 10:00 am	Keynote Speaker 3: Prof. Vijay Barghava (University of British Columbia, Canada) Chair : Dr. Soufiene Djahel
	10:00 am – 10:30 am	Coffee Break
	10:30 am – 12:30 pm	Session 1: Networks Virtualization and Cloud Networking
	12:30 pm – 02:30 pm	Lunch
	02:30 pm – 04:00 pm	Session 2: Network Performance and QoS II
	04:00 pm – 04:30 pm	Coffee Break
	04:30 pm - 05:00 pm	Closing Ceremony

Technical Program of the International Symposium on Networks, Computers and Communications (ISNCC-2015)

**Yasmine Hammamet, Tunisia
May 13-15, 2015**

Day 1 – Wednesday May 13, 2015	
Time	Event
8:15 – 9:00	Registration
9:00 – 9:30	Welcome & Opening Ceremony <i>Ahmed Meddahi & Tarek Bejaoui</i>
9:30 – 10:30	Keynote Speaker 1: Prof. Mohamed Siala Title: POPS-OFDM: Ping-pong Optimized Pulse Shaping OFDM for 5G Cellular Systems and Beyond Chair: Dr. Ahmed Meddahi Room: Le Khalife
10:30 – 11:00	Coffee break
11:00 – 01:00	Room: Le Khalife Session Title: Networks Architecture and Communications Session Chair: Janusz Kleban (Poznan University, Poland) 1. Strict-Sense Non blocking Networks with Three Multiplexing and Switching Levels <i>Wojciech Kabacinski (Poznan University of Technology, Poland), Janusz Kleban (Poznan University, Poland), Marek Michalski (Poznan University, Poland) and Mariusz Zal (Poznan University, Poland)</i> 7. CDS Based Reliable Topology Control in WSNs <i>Enan A. Khalil (Gazi University, Turkey) and Suat Ozdemir (Gazi University, Turkey)</i> 12. Performance Implications of Over-allocation of Virtual CPUs <i>Sogand Shirinbab (Blekinge Institute of Technology, Sweden) and Lars Lundberg (Blekinge Institute of Technology, Sweden)</i> 18. Reconfigurable New Unit-cell Frequency Selective Surface for Beam Switching Applications <i>Moufida Bouslama (FST, University of Tunis El Manar, Tunisia), Moncef Traii (FST, University of Tunis El Manar, Tunisia), Ali Gharsallah (FST, University of Tunis El Manar, Tunisia) and Tayeb Denidni (University of Quebec, Canada)</i> 22. The Analysis of Time Reaction in OpenFlow Switches in NetFPGA Cards and ROFL <i>Marek Michalski (Poznan University of Technology, Poland), Tytus Sielach (Poznan Supercomputing and Networking Center, Poland)</i>
01:00 – 2:30	Lunch
2:30 – 4:00	Room: Le Khalife Session Title: Network Security and Privacy Session Chair: Fahim Khan (University of Tokyo, Japan)

	27. Network-based Mimicry Anomaly Detection using Divergence Measures <i>Sirikarn Pukkawanna (Nara Institute of Science and Technology, Japan), Youki Kadobayashi (Nara Institute of Science and Technology, Japan) and Suguru Yamaguchi (Nara Institute of Science and Technology, Japan)</i> 34. Recent Advances in Cryptographic Solutions for Vehicular Networks <i>Mohamed Nidhal Mejri (University of Paris 13, France) and Mohamed Hamdi (University of Carthage, Tunisia)</i> 41. Fine-Grained Access Control to Medical Records in Digital Healthcare Enterprises <i>Fahim Khan (University of Tokyo, Japan) and Ken Sakamura (University of Tokyo, Japan)</i> 47. Software implementation of Bechmann-Pasquinucci and Peres protocol for qutrits <i>Gabriela Mogos (Escuela Superior Politecnica de Chimborazo, Ecuador)</i>
4:00 – 4:30	Coffee break
4:30 – 5:30	Room: Le Khalife Session Title: Networks Applications and Infrastructure Session Chair: Dr. Imen Jemili (University of Carthage, Tunisia) 52. Collaborative Distributed Editing (Real Number Based Indexation) <i>Mumtaz Ahmad (INRIA, France)</i> 58. Data Distribution Service On Top Of Ethernet Networks <i>Amel Ben Ncira (ENIT, University of Tunis El Manar, Tunisia), Rim Bouhouch (ENIT, University of Tunis El Manar, Tunisia), Houda Jaouani (ENIT, Tunisia), Salem Hasnaoui (ENIT, Tunisia), Jelassi Khaled (ENIT, University of Tunis El Manar, Tunisia)</i> 63. Dynamic Spectrum Access with Traffic Prioritization in Cognitive Radio Networks <i>Mahammad A. Safwat (National Telecommunication Institute, Egypt)</i>

ay 2 – Thursday May 14, 2015	
Time	Event
9:00 – 10:00	Keynote Speaker 2: Prof. Pascal Lorenz Title: IP-Oriented QoS and QoE in the Next Generation Networks and Wireless Networks Chair: Dr. Tarek Bejaoui Room: Le Khalife
10:00 – 10:30	Coffee break
10:30 – 12:30	Room: Le Khalife Session Title: Networks Performance and QoS I Session Chair: Dr. Soufiene Djahel (University College Dublin, Ireland)

	69. Invited paper: Toward V2I Communication Technology-based Solution for Reducing Road Traffic Congestion in Smart Cities <i>Soufiene Djahel (University College Dublin, Ireland), Nafaa Jabeur (Germain University of technology, Oman), Robert Barrett (University College Dublin, Ireland) and John Murphy (University College Dublin, Ireland)</i> 75. Energy Consumption Evaluation For LTE Scheduling Algorithms <i>Ghariiiani Takoua (Telecom SudParis, France) and Jouaber Badii(Telecom SudParis, France)</i> 80. Cognitive radio networks management using an ANFIS approach with QoS/QoE mapping scheme <i>Aymen Ben Zineb (SupCom, Tunisia), Mohamed Ayadi (SupCom, Tunisia) and Sami Tabbane (SupCom, Tunisia)</i> 86. Performance Comparison of VoIP over Wireless Ad Hoc Networks Using Different Routing Protocols and Queuing Techniques <i>Azeddien Sllame (University of Tripoli, Libya)</i> 92. Efficient Skyline Computation For optimal Service Composition with Fuzzy preference relationships <i>Fatma Rhimi (INSAT, University of Carthage, Tunisia), Saloua Ben Yahia (INSAT, University of Carthage, Tunisia) and Samir Ben Ahmed (INSAT, University of Carthage, Tunisia)</i> 98. Study of VOD streaming on BitTorrent <i>Chourouk Hammami (University of Manouba, Tunisia), Achref Gazdar (King Saud University, KSA), Imen Jemili (University of Manouba, Tunisia), Abdelfettah Belghith (King Saud University, KSA)</i>
12:30 – 2:30	Lunch & Best Paper Award Ceremony
4:30+ pm	Banquet & Social Event

Day 3 – Friday May 15, 2015	
Time	Event
9:00 – 10:00	Keynote Speaker 3: Prof. Vijay Barghava Title: Evolving Fifth Generation Cellular Networks: An Energy-Efficient Perspective Chair: Dr. Soufiene Djahel Room: Le Khalife
10:00 – 10:30	Coffee break
10:30 – 12:30	Room: Le Khalife Session Title: Networks Virtualization and Cloud Networking Session Chair: Dr. Walid Chainbi (University of Sousse, Tunisia) 104. Invited paper: Network Issues in Virtual Machine Migration <i>Hatem Ibn-Khedher (Telecom SudParis, France), Emad Abd-Elrahman (Telecom SudParis, France), Hossam Afifi (Telecom SudParis, France), Jacky Forestier (Orange Labs, Issy Les</i>

	<i>Moulineaux, France)</i> 110. Static Analysis Based Business Logic Modelling From Legacy System Code <i>Mohammed Alawairdhi (C CI, Saudi Electronic University, KSA)</i> 116. Towards an Automated Generation of Application Confinement Policies with Binary Analysis <i>Tobias Rauter (Graz University of Technology, Austria) , Andrea Höller (Graz University of Technology, Austria), Nermin Kajtazovic(Graz University of Technology, Austria) and Christian Kreiner (Graz University of Technology, Austria)</i> 122. Formal Verification for Web Service Composition: A Model-checking Approach <i>Majdi Ghannoudi (University of Sousse, Tunisia) and Walid Chainbi (University of Sousse, Tunisia)</i> 128. Adaptive Web Service Composition Insuring Global QoS Optimization <i>Olfa Hammas (INSAT, University of Carthage, Tunisia), Saloua Ben Yahia (INSAT, University of Carthage, Tunisia) and Samir Ben Ahmed (INSAT, University of Carthage, Tunisia)</i> 134 G-Cloud on Openstack : Adressing access control and regulation requirements <i>Ibrahim Yonis Omar (University of Paul Sabalitier, Toulouse, France) , Romain Laborde (University Paul Sabalitier, Toulouse, France), Ahmad Samer Wazan (University Paul Sabalitier, Toulouse, France), François Barrère (University Paul Sabalitier, Toulouse, France) and Abdelmalek Benzekri (University Paul Sabalitier, Toulouse, France)</i>
12:30 – 2:30	Lunch
2:30 – 4:00	Room: Le Khalife Session Title: Networks Performance and QoS II Session Chair: Dr. Imen Jemili (University of Carthage, Tunisia) 140. Energy aware cooperative routing protocol for inter WBANs Communication <i>Audace Manirabona (ENIS, University of Sfax, Tunisia), Saadi Boudjit (Institut Galilée, University of Paris 13, France) and Lamia Chaari Fourati (ENIS, University of Sfax, Tunisia)</i> 146. A genetic algorithm-based approach to optimize the coverage and the localization in the wireless audio sensors networks <i>Mnasri Sami (University of Toulouse, France), Thaljaoui Adel (University of Toulouse, France), Nasri Nejah(University of Sfax, France) and Val Thierry (University of Toulouse, France)</i> 152. 4G Traffic Offloading Through Wireless Network Based on Next Generation Hotspots (NGH) <i>Sondes Kallel Khemiri (University of Versailles, France)</i> 158. Performance of Delay Tolerant Mobile Networks and its improvement using mobile relay nodes under buffer constraint <i>Mouna Abdelmoumen (SupCom, Univ. of Carthage, Tunisia), Mounir Frikha (SupCom, Univ. of Carthage, Tunisia) and Tijani Chahed (Telecom SudParis, France)</i>

4:00 – 4:30	Coffee break
4:30 – 5:00	<i>Closing Ceremony</i>