3rd International Workshop on Vehicular Networks and Telematics (WVNT'15)

In conjunction with

The International Conference on Cloud Technologies and Applications (CLOUDTECH'2015)

June 2-4, 2015, Marrakesh, Morocco – http://www.macc.ma/cloudtech15/

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Scope

The past decade has witnessed a growing interest in vehicular networking and its myriad potential applications. The initial view of practitioners and researchers was that radio-equipped vehicles could keep the drivers informed about potential safety risks, comfort and increase their awareness of road conditions. The view then expanded to introduce new challenges in the services they can provide.

This notion of service suggests that the VANET can be viewed as a Mobile Computing Cloud where vehicles interact and collaborate to sense the environment, process the data, propagate the results and share resources to provide mobile services not available from the Internet Cloud. This workshop is intended to serve as a forum and bring together the researchers and engineers in both academia and industry to exchange ideas, share experiences, and report original works about all aspects of inter-vehicle communication, cloud computing and their applications.

Topics

The topics appropriate for consideration include but are not limited to:

· Mobile, Ubiquitous and Pervasive Cloud Computing and wireless communications
· Routing and QoS for wireless networks on the Cloud
· Security and privacy on Cloud computing for wireless networks
· Wireless network management in Cloud computing
· Cloud computing for Wireless Vehicular Communications
· Infrastructure of the Vehicular network Cloud
· Services, resource management and mobility in the Cloud
· Wireless access technology for vehicular networks
· LLC and MAC for vehicular communications
· Standardization of vehicular technologies
· Modeling of realistic mobility models for vehicular network studies
· Vehicle-to-vehicle, vehicle-to-roadside communications
· Mobility and traffic models
· Adaptive and self-organizing for vehicular networks
· Location-based services for ITS
· Software architectures, systems, applications, and ITS platforms
· Experimental systems, field operational test, and deployment
· ITS applications

Paper Submission

The papers must describe original results on the proposed topics for consideration by the Technical Program Committee. Papers should be submitted in a PDF format. Selected papers from those presented in the workshop will be published in special issues of international journals.

- Papers should be submitted in PDF format to **https://www.easychair.org/conferences/?conf=cloudtech2015**
- And a copy should be sent by email to: dmelouad@gmail.com and zinedine@ucd.ac.ma

Important Dates

Paper submission	Paper Acceptance	Camera Ready	Workshop Days
March 29, 2015	**April 20, 2015**	**April 28, 2015**	**June 2-4, 2015**

جامعة مولاي إسماعيل
UNIVERSITÉ MOULAY ISMAÏL
كلية العلوم
FACULTÉ DES SCIENCES

جامعة شعيب الدكالي
Université Chouaïb Doukkali

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We're very excited to announce our keynote speaker lineup for the **WVNT'15:**

Dr. Jalel BEN-OTHMAN, Computer science department, Paris 13 University, France

Biography:

Dr. Ben-Othman received his B.Sc. and M.Sc. degrees both in Computer Science from the University of Pierre et Marie Curie, (Paris 6) France in 1992, and 1994 respectively. He received his PhD degree from the University of Versailles, France, in 1998. He was an Assistant Professor at the University of Orsay (Paris 11) and University of Pierre et Marie Curie (Paris 6), in 1998 and 1999 respectively. He was an Associate Professor at the University of Versailles from 2000 to 2011. He is currently full professor at the University of Paris 13 since 2011.

Dr. Ben-Othman's research interests are in the area of wireless ad hoc and sensor networks, Broadband Wireless Networks, multi-services bandwidth management in WLAN (IEEE 802.11), WMAN (IEEE 802.16), WWAN (LTE), VANETS, Sensor and Ad Hoc Networks, security in wireless networks in general and wireless sensor and ad hoc networks in particular. His work appears in highly respected international journals and conferences, including, IEEE ICC, Globecom, LCN, MSWIM, VTC, PIMRC etc. He has supervised and co-supervised several graduate students in these areas. He is widely known for his work on wireless ad hoc and sensor Networks, in particular, security. He gave several talks on these topics, as Keynote in conferences Road Transportation System Strategy and Standardization (Korea), WCCCS'13, WCCCS'14, NSERC DIVA Distinguished Lecture Series (Canada), P2MNET'10, PEDISWESA'09, and as invited talks in GIST (Korea), Seoul National University, KRRI (Korea), USTHB (Algieria), Fes University (Marocco), Hanoi Science and Technology University (Vietnam), Reims (France), Martinique (France), University of Ottawa (Canada), INRS (Canada), Gliwice (Pologne).....

He is an editorial board member of Wiley Wireless Communications and Mobile Computing (WCMC), Wiley Security and Communication Networks (SCN), Inderscience Int. J. of Satellite Communications Policy and Management, IEEE comsoc Journal of Communications and Networks (JCN) and International Journal On Advances in Networks and Services IJANS. He is also an Associate Editor of Wiley International Journal of Communication Systems (IJCS). He has served as a member of Technical Committees of more than 80 international IEEE/ACM conferences and workshops including ICC, Globecom, MSWIM, LCN. He is a member of IEEE and ACM.

He served as Local Arrangement Chair for the 13th IEEE International Symposium on Computer Communication (ISCC 09). He served as a TPC Co-Chair of IEEE Globecom Wireless Communications Symposium (Globecom 2010) and 9th international Workshop on Wireless local Networks (WLN09) and 10th international Workshop on Wireless local Networks (WLN10). He served as a publicity chair of several conferences such as the 12th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWIM 09), IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (WOWMOM 2010), 25th Biennial Symposium on Communications. He has served as TPC Co-Chair for IEEE Globecom Ad hoc and Sensor and and Mesh Networking (Globecom 2011, 2014), 6th ACM International Symposium on QoS and Security for Wireless and Mobile Networks (Q2SWinet 2010, 2011, 2012), Wireless Networking Symposium of The 7th International Wireless Communications and Mobile Computing Conference (IWCMC 2011, 2012, 2013, 2014), IEEE International Conference on Communications Ad hoc and Sensor and and Mesh Networking (ICC 2012, ICC 2014). He has served for other conferences in ICNC, WSCP, CNIT. He has also served as Tutorial chair for Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS 2014). He was the secretary and he is currently Vice chair of the IEEE Ad Hoc and sensor networks technical committee since january 2012. He is an active member of IEEE CIS-TC, and WTC.

Talk:

Title: DoS in VANETS issue or fatality?

Vehicular ad hoc network (VANET) has been researched and achieved by several organizations to develop the intelligent transportation system (ITS). VANET is also a specific case of mobile ad hoc network (MANET) in which nodes are vehicles. The goal of the construction of a VANET network is to make sure of its safety and reliability. Hence, the development of VANET aims to improve transportation reliability, optimize driving and navigation and enhance the vehicle users safety. Vehicles can self - react in order to avoid accidents by preventing the proximity location and transporting them to the conductor.

Communications in the VANET are very challenging and existing solutions, for instance, from which the Ad Hoc networking field are not adapted. Some solutions have been proposed and researched for security in the VANET. However, they have not resolved strictly VANET communication problems. This is due to some special features of the VANET, including the high speed of vehicles, mobility patterns of vehicles. New efforts at different levels of the communications systems are required to be present at the routing and security levels.

In this talk we tackle the problems of security in those networks. Existing problems/solutions are showed, issues and perspectives will be exposed as well.