Title: DoS in VANETs an issue or a fatality?

In recent years, there have been growing interest and research efforts in the area of Vehicular Ad-hoc Networks (VANET). This is due to the ability of those networks to make an interface between the driver and the vehicle, and allow to improve the security of passengers. Even if VANETs have many advantages as easy deployment, user mobility and provide network access to users regardless to their locations, they suffer from security issues and specifically to Denial of Service (DoS). Thus, most critical problems that arise in those networks are on the resource allocations as the bandwidth is limited, the propagation (multi-path, fading, distortion) and security since communications are transmitted over radio waves. In this talk I will present issues about availability problem in those networks and architecture, new works to fix this problem will be presented as well and several directions will be given.

Prof. 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 ad hoc networks and vehicular ad hoc Networks. 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, 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), Interscience 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 is also editor of Elsevier ICTexpress. 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 has served as General co-chair of international conference on wireless networks and mobile communications (WINCOM'15), and program chair of IEEE New technologies mobility and security (NTMS'15). He has served as TPC Co-Chair for IEEE Globecom Ad hoc and Sensor and and Mesh Networking (Globecom, 2011, 2014). He will serve as TPC Co-Chair for IEEE Globecom Wireless and Mobile Networks symposium (Globecom, 2016), and as a TPC Co-Chair of IEEE Globecom Wireless Communications Symposium (Globecom 2010). He has served as TPC Co-

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