Foreword about Victor Rangel-Licea, Professor, member of the Department of Telecommunications, Faculty of Engineering, National Autonomous University of Mexico (UNAM):

Victor Rangel-Licea was born in Mexico City in 1972. He graduated in Computer Engineering at the Faculty of Engineering from the National Autonomous University of Mexico in 1996, then he received the M.Sc. degree in Telematics and the Ph.D. degree in Communication Engineering, both at the University of Sheffield, England, in 1998 and 2002, respectively. Soon after receiving his Ph.D, Victor joined the Department of Telecommunications of the Faculty of Engineering at UNAM as Associate Professor. His research interest includes: modelling of broadband wireless access networks (BWA): LTE, LTE-Advanced and WiMAX, performance analysis of vehicular networks (VANETs) and mobile ad hoc networks (MANETs), tracking and routing algorithms in wireless ad hoc networks, scheduling algorithms, propagation models and implementation of wireless protocols using software defined radio and GNU radio.

Victor Rangel-Licea

His main contributions are the publication of three books in the Ed. IGI Global: Broadband Wireless Access Networks for 4G: Theory, Application, and Experimentation (2014); Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges (2012); and Emerging Technologies in Wireless Ad-hoc Networks: Applications and Future Development (2011). Victor has also authored/co-authored about 50 refereed book chapters, journal and conference papers among them 17 were published in the Journal Citation Reports. Victor is also a member of the IEEE and the National Research Program in Mexico and the National Council for Science and Technology (CONACYT-MEXICO) and he has been involved in the TPC of more than 20 international conferences. In 2010, he received a special award from the National University in the field of Sciences as young researcher.

Dear Readers,

I would like to write down a few words about the International Conference on “Knowledge in Telecommunication Technologies and Optics (KTTO)”, which I have attended in two occasions 2011 and 2014. I really enjoyed the atmosphere of the conference. KTTO covers several interesting topics, such as: Networking, Wireless Communications, Security, Speech&Image Processing and Optical Communications, among others. In my personal opinion, this conference is an excellent opportunity to postgraduate students to presents their recent research contributions and gives the opportunity to discuss new ideas and future research in the field of telecommunications with colleagues from other institutions or from industry. Accepted papers are normally published in a special issue of the journal “Advances in Electrical and Electronic Engineering” (AEEE) dedicated to the KTTO and in some occasions, the papers with the highest quality are selected to be published as extended papers in journals with impact factor. Furthermore, the quality of the KTTO conference is highlighted with the invitation of excellent speakers around the word.

As it is showed in my latest book on the field of Broadband Wireless Access networks based on LTE and LTE-Advanced, the major challenges are towards improvements at lower layers. Specifically, numerous changes in the PHY layer and the RRC/RLC/MAC sub layers can be expected to support larger data rates with more flexible allocations, using further antenna technologies, coordinated base stations, enhanced scheduling algorithms, interference management, relays, 8x8 MIMO technology and the latest but not least, massive MIMO.

Before I conclude, I would like to express my most sincere respect to the team members of the AEEE journal and the KTTO conference of the VSB-Technical University of Ostrava for the work they do. I also show my gratitude for the special invitation as speaker at KTTO 2014. I am sure the AEEE journal and the KTTO will continue publishing high-quality papers.