



# IEEE

## Ottawa Section



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**TITLE:** Advances in Body Area Networks

**SPEAKER:** Professor Min Chen, Huazhong University of Science and Technology, China

**DATE:** April 13, 2012

**TIME:** 2:00 pm – 03:00 pm

**PLACE:** 4359 ME (Mackenzie Engineering Building), Carleton University, 1125 Colonel By Drive, Ottawa, ON, Canada K1S 5B6

**Admission:** Free. Registration preferred by E-mail contacting: Yifeng Zhou ([yifeng.zhou@crc.gc.ca](mailto:yifeng.zhou@crc.gc.ca)), or Rami Abielmona ([rabiemo@ieee.org](mailto:rabiemo@ieee.org)), or Sreeraman Rajan ([sreeraman@ieee.org](mailto:sreeraman@ieee.org)), or David Coll ([dccoll@ieee.org](mailto:dccoll@ieee.org)), or Jun Li ([jun-li@ieee.org](mailto:jun-li@ieee.org)).

### Abstract

Advances in wireless communication technologies, such as wearable and implantable biosensors, along with recent developments in the embedded computing area are enabling the design, development, and implementation of body area networks (BANs). This class of networks is paving the way for the deployment of innovative healthcare monitoring applications with lower cost and higher quality healthcare services, and more safety for patients. These benefits and impacts on the facilities of human society have fuelled increasing public interests and have attracted large support and investment from government, industrial and academic researchers. This talk is to introduce some recent advances as well as technical challenges in the research of BANs deployed with wireless communications technologies for interactive and intelligent healthcare monitoring applications.

### Speaker's Bio

Min Chen is a professor in School of Computer Science and Technology at Huazhong University of Science and Technology. He was an assistant professor in School of Computer Science and Engineering at Seoul National University (SNU) since September 2009. He has been a R&D Director for Confederal Network Inc., a Research Associate in the Dept. of Computer Science at University of British Columbia (UBC). He worked as a Post-Doctoral Fellow in Department of Electrical and Computer Engineering at UBC for three years, where his faculty advisor is Prof. Victor C.M. Leung. Before joining UBC, he was a Post-Doctoral Fellow at SNU for one and half years. He received the Best Paper Runner-up Award from QShine 2008. He has more than 130 first-three-author papers including over 70 SCI/SCIE journal publications. He serves many conferences and workshops as General Chair, TPC Chair, or TPC member. He serves as editor or associate editor for Wireless Communications and Mobile Computing, IET Communications, IET Networks, Wiley I. J. of Security and Communication Networks, Journal of Internet Technology, KSII Trans. Internet and Information Systems, International Journal of Sensor Networks. He is managing editor for IJAACS. Currently, he works as General Co-Chair for the 12th IEEE International Conference on Computer and Information Technology (IEEE CIT-2012). He is an IEEE Senior Member since 2009.