The 14th International Conference on Advanced Communication Technology (ICACT2012)

Speaker's Biography

Paper code	**20120118**
Title of Paper	**Reduced Complexity DVB-RCS Turbo Decoder**
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Speaker's Biography (Please detail below special points of background experience)

Dr. Sherif Welsen has obtained his Bachelor of Engineering (BE) degree in 2000 from Benha Higher Institute of Technology, Egypt. He worked in the industry for about 3 years on Fire Alarm/Fighting and building management systems. In 2006, he obtained his Masters degree of science in Electronics and Telecommunications Engineering and ranked number 1 of his class at the Arab Academy for Science and Technology and Maritime (AAST), Cairo, Egypt. He then joined Ain Shams University, Cairo, Egypt, where, he got his PhD in Electronics and Electrical Communications engineering in Jan 2010. His research was focusing on Software Defined Radios in wireless communication and in particular on "generic low power FPGA implementation of coding schemes for emerging wireless standards".

In 2004, he worked as a lecturer assistant at Modern Academy for Engineering and Technology. He joined Nile University, Cairo, Egypt, Nanoelectronics Integrated Systems Center 'NISC' in Jan 2009. Dr. Sherif Welsen worked as ECE Assistant Professor at Modern Academy for Engineering and Technology from 2010 to 2011. He also had a part time position as a Research Scientist at Signal Processing Lab, Dpt. of Electronics and Electrical Communications Eng. at Ain-Shams University from August 2010 to May 2011, where he was co-PI for the project "DVBT-2 Systems and Cognitive Radio Networks Sharing the Same Frequency Band". He was

the co-founder and founder of both Wireless Communications lab at Ain-Shams university, and the Microprocessors Based Systems lab at Modern Academy for Engineering.

Since May 2011, he is working as a Research Fellow at Kuang-Chi Institute of Advanced Technologies, Shenzhen, China.

Dr. Welsen has published 13 scientific papers in top international journals and peer-reviewed conferences. Based on his achievements, he has been listed in Who's Who in Science and Engineering, 11th Edition, 2011-2012.

He is involved in Cognitive radios, SDRs, Digital VLSI, VHDL, FPGA and Digital Signal Processing research.