Workshop on Wearable and Implantable Antennas and Propagation

March 16. 2017 (Thursday), ECIT Institute, Queens Road, Belfast, UK

Arrival and Registration (ECIT, Main Foyer): 9:00~9:25

Opening (ECIT, Seminar Room): 9:25~9:40

Welcome from Workshop Chairs: Dr. Gareth A. Conway (ECIT), Prof. Max Ammann (DIT)

Introduction from Professor Sir John V McCanny CBE FRS FREng MRIA

9:40~10:30 **Keynote Speech 1: Antennas for Body-Centric Wireless Communications**
Professor Koichi Ito, Life Fellow IEEE, Professor Emeritus and Visiting Professor at the Center for Frontier Medical Engineering, Chiba University Japan

10:30~10:40 **Break:** Tea & Coffee

10:40~11:10 **An internet of medical things platform for next generation medical diagnostic devices.**
Professor James Mc Laughlin, University of Ulster

11:10~11:30 **Role of Anatomical phantoms in validation and quality enhancement in biomedical imaging.**
Dr. Giuseppe Ruvio & Dr. Jacinta Browne, Dublin Institute of Technology

11:30~11:50 **Composite Fading in Off-Body Communications Channels**
Dr. Simon L. Cotton, ECIT, Queen's University of Belfast

11:50~12:20 **WiSAR Lab - Connecting to the Internet of Things, Animals, and Humans**
Dr. Nick Timmons, Letterkenny Institute of Technology, Ireland

Lab Tour / Poster Session: 12.20~12.50 **Lunch / Poster Session**: 12:50~13:40

13:40~14:30 **Keynote Speech 2: Antenna Design for Wearable Smart Watches**
Professor Yang Hao, Fellow IEEE, Professor in Antennas and Electromagnetics at Queen Mary, University of London.

14:30~14:50 **Microwave ablation therapeutics: challenges for the antenna designer**
Dr. Giuseppe Ruvio, Dublin Institute of Technology

14:50~15:00 **Break:** Tea & Coffee

15:00~15:20 **Wearable Internet of Medical Things**
Dr. Phillip A. Catherwood, University of Ulster

15:20~15:40 **Antennas and Propagation for Implantable Medical Devices**
Professor William Scanlon, ECIT, Queen's University of Belfast

15:40~16:00 **Discussion** 16:00 **Close**