

# Editor's Introduction to Multimedia Section— Group II

The Loughborough Conference on Antennas and Propagation (LAPC) was held in Loughborough, U.K. last November. In this workshop all the oral contributions are invited, and all the contributed papers are presented in Interactive Sessions *aka* Poster sessions. A few selected posters are chosen by the TPC of LAPC for recognition, in a competitive manner, and prizes are awarded to the winners at the banquet. We invited a few of these posters, which made the first cut during the selection process, for inclusion in FERMAT, and they are presented below for perusal of the interested readers. The presentations are titled:

*Tunable Antennas Using MEMS Switches for LTE Mobile Terminals*

*Sidelobe Manipulation using Butler Matrix for 60 GHz Physical Layer Secure Wireless Communication*

*Repeatability of Embroidered Patch Antennas*

*Study of the directivity of a half-loop antenna coupled with magnetic metamaterial cells*

*A Passive RFID Implant for Soft Tissue Trauma Monitoring*

*Periodic comb reflection frequency selective surface for interference reduction*

*Experimental Proofs On An Effective Near-Field To Far-Field Transformation Technique With Spherical Spiral Scan Suitable For Long Antennas*

*Energy efficient gully pot monitoring system using Radio Frequency Identification (RFID)*

*Dielectric Resonator Antenna Design For UWB Applications*

*Phased Array Antenna Suitable for a Relay-aided WiMAX network*

We have also included two contributions from Rigelsford's presentation at the PIERS conference in Stockholm.

*A Miniaturized Archimedean Spiral Antenna with Polarization Diversity*

*Electrically Tunable Handset Antenna*

As we can see the papers cover a diverse array of topics, but they all are of considerable current interest. As always, following the FERMAT philosophy we welcome the readers to comment on these presentations and to add info on related works, including their own, for the benefit of other readers.