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EMMA Club

The European Electromagnetic Materials Measurements and Applications Club

Open Meeting - Thursday, 22 May 2014 at 10.00 am (BST)

(Webinar participants: please note that all times are BST)

Venue: The National Physical Laboratory (NPL), Hampton Road, Teddington, Middx.

Agenda

- 10.00 Registration and Coffee
- 10.30 Welcome & Background to the Meeting, Commencement of Webinar.
- 10.35 *An Overview of the IND02-EMINDA Project and its Achievements*, Bob Clarke, NPL.
- 11.10 Coffee/Tea Break and Posters
- 11.30 Keynote Presentation: *Contactless resistivity mapping with dielectric resonators and capacitive probes*, Professor Jerzy Krupka, Warsaw University of Technology.
- 12.00 *Absorber/dielectric material characterization and modelling from 40 MHz to 90 GHz* Yoeri Ariën, Laird (Emerson & Cuming Microwave Products).
- 12.20 *PCB Characterization for Microwave Applications up to 40 GHz and Beyond*, Prof. Dr.-Ing. Klaus Helmreich & G Gold, Friedrich-Alexander Universität, Erlangen.
- 12.40 Lunch and Posters
- 13.40 Keynote Presentation: *Sensing of Biological Liquids at Microwave-to-Terahertz Frequencies*, Professor Norbert Klein, Imperial College, London.
- 14.10 *Composite Materials for Microwave Absorption*, Professor Nicola Bowler, Center for Nondestructive Evaluation, Iowa State University.
- 14.30 *Numerical Modelling of Scanning Microwave Microscopes*, Jens Niegeman, ETH, Zurich.
- 14.50 *Progress with Scanning Microwave Microscopy for Nanoscale Materials Characterization up to 20 GHz*, Ferry Kienberger, Agilent Technologies Austria, Measurement Research Lab, Linz.
- 15.10 Coffee/Tea Break and Posters
- 15.30 *Determination of the Permittivity of Ferroelectric Thin Films Using Co-Planar Waveguides*, Tim Jackson, School of Electronic, Electrical and Computer Engineering, University of Birmingham.
- 15.50 *Surface Conductivity of Graphene*, John Gallop, NPL.
- 16.10 Discussion session on the aims, activities and the future of the EMMA Club, and the industrial requirements for support from National Measurement Institutes.
- 16.30 Close and opportunity to visit electromagnetic materials laboratories at NPL.