

## MATHmONDES 2012 – programme

### Sunday 8<sup>th</sup> July

Arrivals

### Monday 9<sup>th</sup> July

- 0800-0900 Breakfast
- 0930-1000 Coffee and registration (Mathematics building Common Room – room 112)
- 1000-1010 Introduction and Welcome
- 1010-1040 Michael Levitin (Reading, UK) - “Computing Dirichlet-to-Neumann maps and computing with Dirichlet-to-Neumann maps”**
- 1040-1110 Xavier Claeys (ISAE, Fr.) - “Integral equations for composite structures”**
- 1110-1140 Tea/coffee
- 1140-1210 Vincent Pagneux (Le Mans, Fr.) - “Multimodal method for high frequency propagation in waveguides”**
- 1210-1240 Ian Thompson (Loughborough, UK) – “Bloch wave excitation and the Wiener-Hopf technique”**
- 1240-1310 Emmanuel Perrey-Debain (UTC, Fr.) - “Side branch resonators modelling with Green's functions methods”**
- 1310-1400 Lunch
- 1400-1530 Informal discussion/networking
- 1530-1600 Tea/coffee
- 1600-1630 Anthony Rawlins (Brunel, UK) – “High frequency diffraction of an electromagnetic plane wave by an imperfectly conducting rectangular cylinder”**
- 1630-1700 Anne-Sophie Bonnet-Ben Dhia (ENSTA, Fr.) - “Black holes in metamaterials”**
- 1700-1800 Free time
- 1800-1900 Drinks reception (Park House)
- 1900- Conference dinner (Park House)

### Tuesday 10<sup>th</sup> July

- 0800-0900 Breakfast
- 0930-1000 Jean-David Benamou (INRIA, Fr.) - “Numerical microlocal analysis”**
- 1000-1030 Steve Langdon (Reading, UK) - “High frequency scattering by nonconvex polygons”**
- 1030-1100 Francis Collino (ENSTA, Fr.) – “A stable fast multilevel multipole method with plane waves for the Helmholtz kernel”**
- 1100-1130 Tea/coffee
- 1130-1200 Valery Smyshlyaev (UCL, UK) – “Homogenization of ‘micro-resonances’ and localization of waves”**
- 1200-1230 Christophe Hazard (ENSTA, Fr.) - “About trapped modes in open waveguides”**
- 1230-1300 Euan Spence (Bath, UK) - “Is the Helmholtz equation really sign-indefinite?”**
- 1300-1400 Lunch
- 1400-1530 Informal discussion/networking
- 1530-1600 Tea/coffee
- 1600 Close