

Diderot Forum of the EMS in the year MPE2013



December 17, 2013



Berlin – Exeter – Zagreb

Diderot Mathematical Forum 2013

Mathematics of Planet Earth

Berlin/Exeter/Zagreb, December 17th 2013



The cycle of conferences "Diderot Mathematical Forum" was introduced by the European Mathematical Society in 1996. Each conference takes place simultaneously in three European cities exchanging information by telecommunication, addresses a specific topic, and has both a research and a public component. In this International Year of Mathematics of Planet Earth (MPE) the Committee for Raising the Public Awareness of Mathematics of the EMS initiated the renewal of the cycle, with the topic MPE.

The conference is to be held on December 17th 2013 in Berlin (Germany), Exeter (United Kingdom) and Zagreb (Croatia) at the following sites:

Urania Berlin e. V., An der Urania 17, 10787 Berlin

College of Engineering, Mathematics and Physical Sciences (Harrison Building), University of Exeter, North Park Road, Exeter EX4 4QF

Department of Mathematics, Faculty of Science, University of Zagreb, Bijenička 30, 10000 Zagreb

All information, as well as links to lectures, are available at: <http://mathematics-in-europe.eu/>

Contact and registration: F. M. Brueckler & M. Chaleyat-Maurel, dmf_fmb_mcm@yahoo.com

Timetable

Time (CET)	Berlin	Exeter	Zagreb
14:25 – 14:30	Opening words (M. Chaleyat-Maurel)		
14:30 – 15:15		M. Baldwin, Univ. of Exeter: <i>A conceptual model of stratosphere-troposphere coupling</i>	E. Marušić-Paloka, Univ. of Zagreb: <i>Mathematical modelling of nuclear waste disposal site</i>
15:15 – 16:00	S. Maćešić & N. Črnjarić-Žic, Univ. of Rijeka: <i>Backward-in-time probabilistic method applied to the Gulf of Mexico oil spill</i>		
16:00 – 16:45	M. Collins, Univ. of Exeter: <i>Understanding and Quantifying Future Climate Change</i>		
16:45 – 17:00	Coffee/refreshments break		
17:00 – 17.45	R. Klein, FU Berlin: <i>How Math helps structuring climate discussions</i>		
17:45 – 18:30	K. Eisenack, Univ. Oldenburg: <i>About use and misuse of mathematics in social sciences</i>	D. Stephenson, Univ. of Exeter: <i>Mathematical modelling of Clustering of Natural Catastrophes</i>	B. Grisogono, Univ. of Zagreb: <i>What do climate models and we know about Bora-like windstorms?</i>
18:30 – 19:15	B. Stevens, Max-Planck-Institut für Meteorologie, Hamburg: <i>Powerful consequences of simple ideas... the mathematics underlying understanding of climate change</i>	P. Cox, Univ. of Exeter: <i>Will the Amazon forest survive climate change? The answer is in the noise</i>	F. M. Brueckler & V. Stilinović, Univ. of Zagreb: <i>From bathroom tiles to quasicrystals - chemical applications of normal tessellations</i>
19:20 – 20:00	Round table		