Monday, June 6, 2016

TIME	EVENT
8:30 am - 9:15 am	Registration and setup of the posters of the day - Registration and setup of the posters of the day
9:15 am - 9:30 am	Opening, welcome and informations - Philippe Claudin et al.
9:30 am - 10:15 am	Ocean
09:30 - 10:00	› Submesoscale Wrinkles in the Antarctic Circumpolar Current - *John Taylor, Department of Applied Mathematics and Theoretical Physics / Centre for Mathematical Sciences*
10:00 - 10:15	› Midlatitude-equatorial dynamics of a grounded deep western boundary current - *Gordon Swaters, Department of Mathematical and Statistical Sciences, and Institute for Geophysical Research University of Alberta*
10:15 am - 10:45 am	Coffee break
10:45 am - 11:45 am	Ocean
10:45 - 11:00	› Size matters: another reason why the Atlantic is saltier than the Pacific - *Paola Cessi, Scripps Institution of Oceanography - UCSD*
11:00 - 11:15	› The inherent stabilizing effect of Non-Boussinesq baroclinic torque on internal gravity waves - *Eyal Heifetz, Tel Aviv University*
11:15 - 11:30	› Nonlinear interactions among ocean internal waves in the wake of a moving cyclone. - *Claudia Pasquero, Earth and environmental sciences department, university of Milan-Bicocca*
11:30 - 11:45	› Refraction of Swell by Surface Currents - *William Young, Scripps Institution of Oceanography*
11:45 am - 12:30 pm	Ocean - Posters
11:45 - 12:30	› Analysis and modelling of scaling processes in the ocean sciences - *Francois Schmitt, CNRS, Laboratoire d'Océanologie et de Géosciences*
11:45 - 12:30	› Earth-System Stability Through Geologic Time - *Daniel Rothman, Massachusetts Institute of Technology*
11:45 - 12:30	› Experimental study of vortex distortion by the Craik-Leibovich force - *Thomas Humbert, Systèmes Physiques Hors-équilibre, hYdrodynamique, éNergie et compleXité*
11:45 - 12:30	› OCEANIC MODELS UNDER UNCERTAINTY - *Valentin Resseguier, FLUMINANCE, Laboratoire d'Océanographie Spatiale*
11:45 - 12:30	› On the dynamics of internal waves in the presence of currents - *Alan Compelli, Dublin Institute of Technology*
11:45 - 12:30	› PHYSICAL PROCESSES IN TITAN'S HYDROCARBON SEAS - *Ralph Lorenz, Johns Hopkins Applied Physics Laboratory*
11:45 - 12:30	› Uncertainty of Linear Trend in Global SST Due to Multi-Scale Internal Variation - *Tao Lian, State Key Lab of Satellite Ocean Environment Dynamics, Second Institute of Oceanography*
11:45 am - 12:30 pm	Atmosphere and Climate - Posters
11:45 - 12:30	› Co-existence of Chaos and Order in Weather and Climate Dynamics - *Dmitry Sonechkin, P.P.Shirshov Institute of Oceanology of the Russian Academy of Sciences*

TIME	EVENT
11:45 - 12:30	› Evidence of a strange nonchaotic attractor in the El Niño dynamics from re-analyses versus CMIP5 models - *Ilya Serykh, P.P.Shirshov Institute of Oceanology of the Russian Academy of Sciences*
11:45 - 12:30	› EXPERIMENTAL RESULTS ON INERTIA GRAVITY WAVE EMISSION FROM BAROCLINIC JETS
11:45 - 12:30	› Internal Wave Excitation by Turbulent Convection
11:45 - 12:30	› Mathematical Model of Near Resonance Wave Perturbations in the Atmosphere - *Olga Savina, National Research University Higher School of Economics*
11:45 - 12:30	› Ocean control of typhoon peak intensity - *Claudia Pasquero, Earth and environmental sciences department, university of Milan-Bicocca*
11:45 - 12:30	› ON THE MATHEMATICAL TREATMENT OF SOME DIFUSIVE CLIMATIC ENERGY BALANCE MODELS COUPLED WITH A DEEP OCEAN - *Jesus Ildefonso Diaz, Instituto de Matemática Interdiciplinar*
11:45 - 12:30	› The Response of El Nino Events To Higher CO2 Forcing - *dezheng sun, University of Colorado*
11:45 - 12:30	› Using continuous wavelet transform to analyse synoptic-scale processes - *Valeriy Khokhlov, Odessa State Environmental University*
11:45 am - 12:30 pm	Granular flows and sediment transport - Posters
11:45 - 12:30	› A multilayer discontinuous approach for turbidity currents - *Enrique D. Fernández-Nieto, Universidad de Sevilla*
11:45 - 12:30	› A phase diagram for fluid-sheared granular beds - *Abe Clark, Yale University [New Haven]*
11:45 - 12:30	› Acoustic probing of a sinking ball in shaken granular sediments - *Siet van den Wildenberg, ESPCI Paris, PSL Research University, CNRS, Institut Langevin, Paris, France*
11:45 - 12:30	› BURSTS IN DISCONTINUOUS AEOLIAN SALTATION - *Marcus Vinicius Carneiro Martins, ORG Geophysical, ETH Zurich*
11:45 - 12:30	› Dynamic behaviour of the static/flowing interface in viscoplastic granular flows: analytic, numerical and experimental studies - *François Bouchut, Laboratoire d'Analyse et de Mathématiques Appliquées*
11:45 - 12:30	› Dynamic suspensions by air injection - *Clément Picard, Laboratoire de physique de l'ENS de Lyon*
11:45 - 12:30	› Influence of mechanical vibrations on granular friction - *Valérie Vidal, Université de Lyon, Laboratoire de Physique, Ecole Normale Supérieure de Lyon - CNRS*
11:45 - 12:30	› Integration of sediments transport mechanisms under rainfall in a global water erosion model - *Amina Nouhou Bako, Institut National de Recherche Agronomique*
11:45 - 12:30	› Laboratory alluvial fan built by a single channel - *Pauline DELORME, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Numerical simulation of the dynamics of sedimentary river beds with a stochastic Exner equation - *emmanuel audusse, Laboratoire d'Analyse, Géométrie et Applications (LAGA)*
11:45 - 12:30	› On a two-layers/two-phases/Exner model for sediment transport with erosion and deposition effects - *Gladys Narbona-Reina, Universidad de Sevilla*
11:45 - 12:30	› Slope influence on bedload transport - *Raphael Maurin, Irstea, Grenoble, UR ETGR*
11:45 - 12:30	› Streak instability induced by bedload diffusion - *Anaïs Abramian, Institut de Physique du Globe de Paris*

TIME	EVENT
11:45 - 12:30	› The role of the hyporheic flow on the stability of an erodible bed: A laboratory approach using particle image velocimetry - *Gauthier Rousseau, Ecole Polytechnique Federale de Lausanne (EPFL)*
11:45 - 12:30	› THE UNDERESTIMATED ROLE OF PARTICLE-BED IMPACTS FOR SEDIMENT TRANSPORT IN A NEWTONIAN FLUID - *Thomas Pähtz, Institute of Physical Oceanography, Ocean College, Zhejiang University, China*
11:45 - 12:30	› TURBULENCE LOCALITY AND GRANULAR-LIKE FLUID SHEAR VISCOSITY IN COLLISIONAL SUSPENSIONS - *Diego Berzi, Politecnico di Milano [Milan]*
11:45 - 12:30	› What causes frictional behavior in fluid-mediated sediment transport? - *Thomas Pähtz, Institute of Physical Oceanography, Ocean College, Zhejiang University*
11:45 am - 12:30 pm	Cold Flows - Posters
11:45 - 12:30	› A Maxwell-Elasto-Brittle model for the drift and deformation of sea ice - *Véronique Dansereau, Laboratoire de glaciologie et géophysique de l'environnement*
11:45 - 12:30	› A simple anisotropic flow law for polar ice based on anisotropic, scalar flow enhancement - *Ralf Greve, Institute of Low Temperature Science, Hokkaido University*
12:30 pm - 2:00 pm	Lunch
2:00 pm - 3:30 pm	Atmosphere and Climate
14:00 - 14:30	› THE SELF-ORGANIZATION OF TROPICAL CONVECTION - *caroline muller, Laboratoire de Météorologie Dynamique, Ecole Normale Supérieure, Paris, France*
14:30 - 14:45	› MONTE CARLO SIMULATION OF THREE-DIMENSIONAL SOLAR RADIATIVE TRANSFER OVER COMPLEX TERRAIN - *Tatiana Russkova, V.E. Zuev Institute of Atmospheric Optics*
14:45 - 15:00	› Simulation of heat waves in climate models using large deviation algorithms - *Francesco Ragone, Laboratoire de Physique de l'ENS Lyon*
15:00 - 15:15	› Subgrid-scale parameterization and low-frequency variability - A response theory approach - *Jonathan Demaeyer, Institut Royal Météorologique de Belgique*
15:15 - 15:30	› DATA-DRIVEN STOCHASTIC MODELING AND PREDICTION OF ARCTIC SEA ICE - *dmitri kondrashov, University of California Los Angeles*
3:30 pm - 4:15 pm	Granular flows and sediment transport
15:30 - 15:45	› On the role of vortices in the thermal and mechanical properties of sheared granular flows. - *Pierre Rognon, Particles and Grains Laboratory, School of Civil Engineering, The University of Sydney*
15:45 - 16:00	› Dynamics of sheared fluid-particle flows : numerical simulation at the grain scale - *Joris Bouteloup, Institut de Mécanique des Fluides de Toulouse (IMFT) - Université de Toulouse, CNRS-INPT-UPS, Toulouse FRANCE*
16:00 - 16:15	› Granular rheology in bedload transport - *Raphael Maurin, Irstea, Grenoble, UR ETGR*
4:15 pm - 4:45 pm	Coffee break
4:45 pm - 6:00 pm	Granular flows and sediment transport
16:45 - 17:15	› Creepy landscapes: the origins and consequences of sub-threshold transport - *Douglas Jerolmack, University of Pennsylvania*

TIME	EVENT
17:15 - 17:30	› A model for the erosion onset of bedload transport - *matthieu wyart, ecole polytechnique federale de Lausanne*
17:30 - 17:45	› The cessation threshold of sediment transport in Newtonian fluid - *Thomas Pähtz, Institute of Physical Oceanography, Ocean College, Zhejiang University*
17:45 - 18:00	› Saltation on Earth and extraterrestrial atmospheres - *alexandre valance, Institut de Physique de Rennes*
6:00 pm - 7:00 pm	Cold Flows
18:00 - 18:30	› Discrete-element modeling of selected aspects of sea ice dynamics and fracture - *Agnieszka Herman, Institute of Oceanography, University of Gdansk*
18:30 - 18:45	› DYNAMICS OF BLOWN-SNOW PARTICLES DEPENDING ON THE DIAMETER - *Hirofumi Niiya, Graduate School of Environmental Studies, Nagoya University*
18:45 - 19:00	› Numerical modelling of iceberg calving and implications in seismic waves generated - *Amandine Sergeant, Institut de Physique du Globe de Paris*
7:00 pm - 7:15 pm	Removal of the daily posters - -

Tuesday, June 7, 2016

TIME	EVENT
8:45 am - 9:00 am	Registration and setup of the daily posters - -
9:00 am - 10:00 am	Hot flows
09:00 - 09:30	› SLUGS AND PLUGS – BIG EXPERIMENTS IN VOLCANO PHYSICS - *Ed Llewellin, Dept. Earth Sciences, Durham University*
09:30 - 09:45	› Boundary condition optimal control problem in lava flow modelling - *Alik Ismail-Zadeh, Karlsruhe Institute of Technology, Russian Academy of Sciences, Moscow, Institut de Physique du Globe de Paris*
09:45 - 10:00	› EXPERIMENTS ON ENTRAINMENT OF A GRANULAR SUBSTRATE BY PYROCLASTIC FLOWS AND IMPLICATIONS FOR THE PEACH SPRING TUFF SUPER-ERUPTION (USA) - *Olivier Roche, Laboratoire Magmas et Volcans*
10:00 am - 10:30 am	Coffee break
10:30 am - 11:00 am	Hot flows
10:30 - 10:45	› Stretching the truth: how do particles and eddies interact to modify turbulent entrainment into volcanic jets? - *David Jessop, Laboratoire Magmas et Volcans*
10:45 - 11:00	› GRAVITATIONAL INSTABILITIES IN VOLCANIC ASH DEPOSITION : THEIR ROLE AND THEIR DYNAMICS - *Irene Manzella, Department of Earth Sciences, University of Geneva, Switzerland*
11:00 am - 11:45 am	Planetary Geophysics
11:00 - 11:30	› New challenges in planetary dunes - *Clement Narteau, Institut de Physique du Globe de Paris*

TIME	EVENT
11:30 - 11:45	› AN EXPLANATION FOR THE BEDFORMS ON COMET 67P/CHURYUMOV-GERASIMENKO - *Pan JIA, Physique et mécanique des milieux hétérogenes*
11:45 am - 12:30 pm	Planetary Geophysics - Posters
11:45 - 12:30	› A FREE BOUNDARY VALUE PROBLEM RELATED TO THE DETERMINATION OF THE GEOMAGNETIC POTENTIAL FROM SURFACE INTENSITY DATA - *Jesus Ildefonso Diaz, Instituto de Matemática Interdiciplinar*
11:45 - 12:30	› Challenges in modelling magma ocean evolution using a 1-D atmosphere-interior coupled model for the early Earth. - *Athanasia Nikolaou, German Aerospace Center, Technische Universität Berlin [Berlin]*
11:45 - 12:30	› Early physical processes in the mantle of terrestrial planets - *Sebastiano Padovan, German Aerospace Center*
11:45 - 12:30	› Interacting inertial modes and their instability in a differentially rotating spherical gap flow - *Michael Hoff, Department of Aerodynamics and Fluid Mechanics, Brandenburg University of Technology Cottbus - Senftenberg*
11:45 - 12:30	› Quantitatively testing numerical models of continental break-up - *John Armitage, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Rotation of a viscoelastic, synchronous crust - *Benoît Noyelles, Département de Mathématique [Namur]*
11:45 - 12:30	› Size and temperature distribution of planetesimals - *Yanick Ricard, Laboratoire de Géologie de Lyon - Terre, Planètes, Environnement*
11:45 - 12:30	› Statistical scaling properties of planetary topographic fields - *francois landais, GEOPS*
11:45 - 12:30	› The surface-bounded exospheres of Ceres and the Moon - *Norbert Schorghofer, Institute for Astronomy*
11:45 - 12:30	› Thermal Evolution of Earth's Core during Accretion: A Primordial Solid Inner Core - *Jafar Arkani-Hamed, Department of Physics, University of Toronto*
11:45 am - 12:30 pm	Hot flows - Posters
11:45 - 12:30	› A new analytical scaling law for the rise of buoyant jets in a crossflow and implication for wind-blown volcanic plumes: comparison with existing scalings - *Thomas Aubry, Earth, Ocean, and Atmospheric Sciences, The University of British Columbia - Mark Jellinek, Earth, Ocean, and Atmospheric Sciences, The University of British Columbia - Guillaume Carazzo, Observatoire Volcanologique et Sismologique de Martinique*
11:45 - 12:30	› Combined effects of total grain-size distribution and crosswind on the rise of eruptive volcanic columns - *Frédéric Girault, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Estimation of depth to the bottom of magnetic sources and resulting heat flow from high resolution aeromagnetic data of the entire Bida Basin, Nigeria using Fourier transform analysis - *Levi Nwankwo, University of Ilorin*
11:45 - 12:30	› Experimental investigation of volcanic particles aggregation - *Stefano Pollastri, University of Geneva*
11:45 - 12:30	› Experimental study of the influence of particle concentration in gas-particle mixtures - *Anne Weit, Laboratoire Magmas et Volcans*
11:45 - 12:30	› Fluidization by collapse of fine particles into ambient air: a possible mechanism for sustained low interparticle friction in pyroclastic flows
11:45 - 12:30	› New insights on modeling volcanic ash aggregation: a theoretical view - *Eduardo Rossi, University of Geneva*

TIME	EVENT
11:45 - 12:30	› Rheological Stick-Slip - *Kei Kurita, Earthquake Research Institute, The University of Tokyo*
11:45 - 12:30	› The effects of solidification on sill propagation dynamics and morphology - *Chanceaux Lola, Laboratoire Magmas et Volcans*
11:45 am - 12:30 pm	Experimental Geophysics - Posters
11:45 - 12:30	› An experimental view on earthquake magnitude correlations - *Katerina Stavrianaki, Institute for Risk and Disaster Reduction, University College London*
11:45 - 12:30	› Approaching earthquakes through a granular experiment - *Osvanny Ramos, Institut Lumière Matière*
11:45 - 12:30	› Dynamics of an unconfined aquifer - *Éric Lajeunesse, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Effect of the surface roughness on the seismic signal generated by a single rock impact: insight from laboratory experiments - *Vincent Bachelet, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Generation and stability of gravito-inertial waves. - *Paco Maurer, Laboratoire de Physique de l'ENS Lyon*
11:45 - 12:30	› INVASION PATTERNS DURING TWO-PHASE FLOW IN DEFORMABLE POROUS MEDIA - *Fredrik K. Eriksen, Institut de physique du globe de Strasbourg, Department of Physics, University of Oslo*
11:45 - 12:30	› PNEUMATIC FRACTURES IN CONFINED GRANULAR MEDIA - *Fredrik K. Eriksen, Institut de physique du globe de Strasbourg, Department of Physics, University of Oslo*
11:45 - 12:30	› Pore scale dynamics during two-phase flow in porous media - *Monem Ayaz, Department of Physics, University of Oslo, Institut de physique du globe de Strasbourg*
11:45 - 12:30	› Sawtooth wave-like pressure changes appeared in a slug flow experiment: Toward understanding of volcanic oscillation systems - *Yo Kanno, Earthquake Research Institute, The University of Tokyo - Mie Ichihara, Earthquake Research Institute, The University of Tokyo*
11:45 - 12:30	› Self Similar Evolution of an Anticyclone in a Rotating Stratified Flow - Application to Meddies - *Giulio Facchini, Institut de Recherche sur les Phénomènes Hors Equilibre*
11:45 - 12:30	› Stress Anisotropy Induced by the Memory Effect of Drying Paste - *So Kitsunezaki, Research Group of Physics, Division of Natural Sciences, Faculty of Nara Women's University*
11:45 - 12:30	› WAVE EXCITATION UNDER DOUBLE PLASMA RESONANCE CONDITION IN A MIRROR-CONFINED PLASMA - *Sergey Golubev, Institute of Applied Physics of Russian Academy of Sciences*
12:30 pm - 2:00 pm	Lunch
2:00 pm - 3:00 pm	Invited talk - Maria Zuber
3:00 pm - 4:15 pm	Planetary Geophysics
15:00 - 15:15	› The turbulent response of planetary fluid interiors to tidal and librational forcing - *Alexander Grannan, Department of Earth, Planetary, and Space Sciences [Los Angeles](UCLA)*
15:15 - 15:30	› THERMO-CHEMICAL-TECTONIC EVOLUTION OF TERRESTRIAL PLANETS: THE KEY INFLUENCE OF MAGMATISM - *Paul Tackley, Department of Earth Sciences, ETH Zurich*
15:45 - 16:00	› Fragmentation and exchanges during planetary core formation - *Michael Le Bars, IRPHE*
16:00 - 16:15	› Magnetic Field Gain in a Laboratory Model of the Earth's Outer Core - *Daniel Lathrop, Department of Physics and Department of Geology [Maryland]*

TIME	EVENT
4:15 pm - 4:45 pm	Coffee break
4:45 pm - 6:45 pm	Experimental Geophysics
16:45 - 17:15	› Kinneyia: A fossil hydrodynamic instability - *Lucas Goehring, Max Planck Institute for Dynamics and Self-Organisation*
17:15 - 17:30	› Experimental investigation of dissolution patterns created by a free-surface runoff flow - *Michael Berhanu, Matière et Systèmes Complexes*
17:30 - 17:45	› MEMORY OF PASTE : VISUALIZATION AS CRACK PATTERN AND NON-DESTRUCTIVE STRUCTURAL ANALYSIS - *akio nakahara, Laboratory of Physics, College of Science and Technology, Nihon University*
17:45 - 18:00	› Cooling caramel analog experiments designed to study crack spacing in layered rocks - *Samuel PAILLAT, Fluides, automatique, systèmes thermiques*
18:00 - 18:15	› TRANSPORT OF PARTICLES BY INTERNAL WAVES - *Sylvain Joubaud, Laboratoire de Physique de l'ENS Lyon*
18:15 - 18:30	› Large-scale realistic laboratory modeling of internal tide generation at the Luzon Strait - *Matthieu Mercier, Institut de mécanique des fluides de Toulouse, Department of Mechanical Engineering*
18:30 - 18:45	› Generating Jovian-like zonal jets in a rapidly rotating fluid experiment - *Simon Cabanes, Institut de Recherche sur les Phénomènes Hors Equilibre*
6:45 pm - 7:00 pm	Removal of the daily posters - -

Wednesday, June 8, 2016

TIME	EVENT
8:15 am - 8:30 am	Registration and setup of the daily posters - -
8:30 am - 10:15 am	Mechanics of Faulting and Rocks
08:30 - 09:00	› Heating and Weakening of Shear Zones in Earthquake and Landslide Mechanics - *James Rice, Harvard University*
09:00 - 09:15	› Dynamics of Frictional Slip Localisation - *Thibaut Putelat, Department of Engineering Mathematics - University of Bristol*
09:15 - 09:30	› Ruptures processes during laboratory earthquakes - *Alexandre Schubnel, Laboratoire de géologie de l'ENS*
09:30 - 09:45	› THE ROLE OF THE INTERMEDIATE STRESS ON FAILURE DIRECTION - *Eyal Shalev, Geological Survey of Israel*
09:45 - 10:00	› DECIPHERING THE BARCODE OF EARTHQUAKES IN FAULT DAMAGE-ZONE PATTERNS - *Manolis Veveakis, Commonwealth Scientific and Industrial Research Organisation, University of New South Wales*
10:00 - 10:15	› THE STRUCTURE OF SLIP-PULSES AND SUPERSHEAR RUPTURES DRIVING SLIP IN BIMATERIAL FRICTION - *Hadar Shlomai, The Hebrew University of Jerusalem*

TIME	EVENT
10:15 am - 10:45 am	Coffee break
10:45 am - 12:00 pm	Dynamics of Seismicity
10:45 - 11:15	› Understanding Earthquake Clustering: A Nearest-Neighbor Approach - *Ilya Zaliapin, Department of Mathematics and Statistics, University of Nevada, Reno*
11:15 - 11:30	› NON-LINEAR MAGMA-EDIFICE COUPLING AT GRIMSVÖTN VOLCANO (ICELAND) - *Jean-Luc GOT, Institut des sciences de la Terre*
11:30 - 11:45	› Earthquake multiplets and dynamic triggering in the western Corinth rift, Greece - *Clara Duverger, Institut de Physique du Globe de Paris*
11:45 - 12:00	› Plastic events in soft-glassy materials follow earthquake statistics - *Jeannot Trampert, Trampert*
12:00 pm - 12:45 pm	Mechanics of Faulting and Rocks - Posters
12:00 - 12:45	› Acoustic monitoring and triggering of shearing instability in granular materials - *Xiaoping Jia, Institut Langevin*
12:00 - 12:45	› AEROFRACTURES IN POROUS MEDIA: EXPLAINING MECHANICS WITH ACOUSTIC EMISSIONS - *Semih Turkaya, Institut de physique du globe de Strasbourg*
12:00 - 12:45	› DISSOLUTION INDUCED STRAIN LOCALIZATION IN GEOMATERIALS - *Ioannis Stefanou, Ecole des Ponts ParisTech*
12:00 - 12:45	› DYMANIC RUPTURE IN DAMAGE-BREAKAGE RHEOLOGY MODEL - *Vladimir Lyakhovsky, Geological Survey of Israel*
12:00 - 12:45	› Dynamic off-fault brittle damage due to earthquake and associated radiation - *HARSHA BHAT, Institut de Physique du Globe de Paris*
12:00 - 12:45	› EARTHQUAKE NUCLEATION ON A HETEROGENEOUS RATE-AND-STATE INTERFACE
12:00 - 12:45	› Effect of melt surface tension on the behaviour and morphology of fault gouge - *Abraham Kazzaz, School of Civil Engineering, The University of Sydney*
12:00 - 12:45	› MODELING THE EFFECT OF ROUGHNESS ON THE NUCLEATION AND PROPAGATION OF SHEAR RUPTURE ON SMALL FAULTS - *Yuval Tal, Department of Earth, Atmospheric and Planetary Sciences*
12:00 - 12:45	› ON THE EXTENSION OF THE JEFFREYS–LOMNITZ LAW FOR ROCK CREEP - *Francesco Mainardi, Department of Physics and Astronomy, Bologna University, Bologna, Italy - Giorgio Spada, Department of Pure and Applied Sciences, University of Urbino “Carlo Bo”*
12:00 - 12:45	› REVISION OF THE BLOCK-SLIDER MODEL TO ACCOUNT FOR THE NORMAL ELASTIC DEFORMATION OF THE SURROUNDING ROCK: EFFECTS ON EARTHQUAKE NUCLEATION AND COSEISMIC SLIP - *Ioannis Stefanou, Ecole des Ponts ParisTech*
12:00 - 12:45	› THE FRICTIONAL FREQUENCY RESPONSE AND MODEL IDENTIFICATION - *Alessandro Cabboi, Engineering Department*
12:00 - 12:45	› THE GENERATION OF OVERPRESSURES BY COUPLED DEFORMATION AND DEHYDRATION IN SUBDUCTION ZONES - *Nicolas Brantut, Earth Sciences, University College London*
12:00 - 12:45	› The mechanics and physics of chemically active faults - *Thomas Poulet, University of New South Wales, Commonwealth Scientific and Industrial Research Organisation*

TIME	EVENT
12:00 - 12:45	› THERMO-CHEMO-MECHANICS IN ENHANCED GEOTHERMAL RESERVOIRS - *Manman Hu, UNSW*
12:00 - 12:45	› Towards a physics-based rock friction constitutive law - *Einat Aharonov, Hebrew University of Jerusalem*
12:00 pm - 12:45 pm	Dynamics of Seismicity - Posters
12:00 - 12:45	› Determination Site Effect of Zarqa City and Hashemite University Campus Based on Microtremors Field Measurements: A microzonation Study - *Waleed Olimat, JORDAN SEISMOLOGICAL OBSERVATORY*
12:00 - 12:45	› Long term changes in seismic coupling revealed by seismicity dynamics
12:00 - 12:45	› Magnitude correlation between earthquakes identified in aftershock sequences - *Osvanny Ramos, Institut Lumière Matière*
12:45 pm - 2:00 pm	Lunch
2:00 pm - 2:15 pm	Removal of the daily posters - -

Thursday, June 9, 2016

TIME	EVENT
8:45 am - 9:00 am	Registration and setup of the daily posters - -
9:00 am - 10:00 am	Geomorphology
09:00 - 09:30	› On the physics behind coastal morphodynamic patterns - *Francesca Ribas, Department of Physics, Universitat Politecnica de Catalunya*
09:30 - 09:45	› The Morphology of River Bifurcations - *Robert Yi, Massachusetts Institute of Technology*
09:45 - 10:00	› Equilibrium, quasi-equilibrium, and transient river longitudinal profiles - *Astrid Blom, Delft University of Technology, Faculty of Civil Engineering & Geosciences*
10:00 am - 10:30 am	Coffee break
10:30 am - 11:45 am	Geomorphology
10:30 - 10:45	› Shapes and growth velocities of solution pipes - *Piotr Szymczak, Faculty of Physics, University of Warsaw,*
10:45 - 11:00	› The rippling instability of icicles - *Stephen Morris, Dept. of Physics, University of Toronto*
11:00 - 11:15	› GENERATION OF TOPOGRAPHIC WAVES AT AN ICE-AIR INTERFACE BY SUBLIMATION IN A TURBULENT STEADY FLOW - *Sabrina Carpy, Laboratoire de Planétologie et Géodynamique de Nantes*
11:15 - 11:30	› Erosion patterns on dissolving blocks - *Sylvain Courrech Du Pont, Lab. Matière et Systèmes Complexes - Université Paris Diderot*
11:30 - 11:45	› Landscape evolution and re-organization under steady and transient states: results from an experimental investigation - *Arvind Singh, University of Central Florida*

TIME	EVENT
11:45 am - 12:30 pm	Gravitational flows - Posters
11:45 - 12:30	› A hydrostatic multilayer model with the $\mu(I)$-rheology for dry granular flows - *José Garres-Díaz, Universidad de Sevilla*
11:45 - 12:30	› A laboratory and theoretical study of fluidised granular flows, and implications for pyroclastic flow dynamics - *David Jessop, Laboratoire Magmas et Volcans*
11:45 - 12:30	› Anthropogenic turbidity flows in La Fonera Submarine Canyon - *Marta Payo Payo, Institut Universitaire Européen de la Mer, Ifremer- Departement Géosciences Marines*
11:45 - 12:30	› Reprocessing and Reanalysis of the steady state chute-flow experiments - *Hoan Truong, Irstea, UR ETGR, centre de Grenoble, Sheffield University, Department of Civil and Structural Engineering*
11:45 - 12:30	› Reprocessing and Reanalysis of the steady state chute-flow experiments - *Hoan Truong, Sheffield University, Department of Civil and Structural Engineering, Irstea, UR ETGR, centre de Grenoble*
11:45 - 12:30	› Slip velocity during a granular mass flow - *Lydie Staron, Institut Jean Le Rond d'Alembert*
11:45 - 12:30	› Transport mechanisms in heterogeneous particulate flows - *C.G. Johnson, School of Mathematics, The University of Manchester*
11:45 - 12:30	› Using seismic data and modelling to better constrain the dynamics of rockfalls in the Dolomieu crater, Piton de la Fournaise, La Reunion - *Virginie Durand, Institut de Physique du Globe de Paris*
11:45 am - 12:30 pm	Tectonics and Solid Earth Geophysics - Posters
11:45 - 12:30	› Crystallization of a magma ocean - *Charles-Edouard Boukare, Laboratoire de Géologie de Lyon - Terre, Planètes, Environnement*
11:45 - 12:30	› ESTABLISHING MODELS OF SURFACE DEFORMATION FROM GEODETIC TIME SERIES GNSS IN THE SOUTHERN REGION OF THE IBERIAN PENINSULA AND NORTH AFRICA (SPINA) - *Belen Rosado, Laboratory of Astronomy, Geodesy and Cartography. University of Cadiz. Spain*
11:45 - 12:30	› EVOLUTIONARY MODELS OF THE EARTH WITH A GRAIN SIZE-DEPENDENT RHEOLOGY: DIFFUSION VERSUS DISLOCATION CREEP - *Antoine Rozel, ETH Zurich*
11:45 - 12:30	› FUNNELLING MELTS INTO MID-OCEAN RIDGES THROUGH MODIFIED COMPACTION THEORY - *Manolis Veveakis, University of New South Wales, Commonwealth Scientific and Industrial Research Organisation*
11:45 - 12:30	› Graph Theory for Analyzing Pair-wise Data: Applications to Interferometric Synthetic Aperture Radar Data at Okmok Volcano, Alaska - *Elena Baluyut, University of Wisconsin-Madison, Department of Geoscience*
11:45 - 12:30	› INTERPRETATION OF MAGNETIC DATA OF THE BLACK SEA USING ANALYTIC SIGNAL METHODS - *H. Evrim Tutunsatar, Süleyman Demirel Üniversitesi*
11:45 - 12:30	› Modeling strain-localization, Zener pinning, and phases nucleation in two-minerals aggregates - *Benoit Bevillard, Institut des sciences de la Terre d'Orléans*
11:45 - 12:30	› Physical Modeling of Tsunami Generation, Propagation and its disastrous effect - *Prof Daya SHANKER, Department of Earthquake Engineering*
11:45 - 12:30	› Postseismic and interseismic deformations associated with megaearthquakes: towards time-dependent lithospheric deformation - *Luce Fleitout, Laboratoire de géologie de l'ENS*
11:45 - 12:30	› Preliminary Results Of Gamma-Ray Measurements In Bodrum Peninsula; SW Turkey - *ezgi erbek, Suleyman Demirel University*

TIME	EVENT
11:45 - 12:30	› SCALING OF MIXING RATE IN MANTLE CONVECTION MODELS WITH SELF-CONSISTENT PLATE TECTONICS, MELTING AND CRUSTAL PRODUCTION - *Paul Tackley, Department of Earth Sciences, ETH Zurich*
11:45 - 12:30	› Temporal evolution of thermochemical plumes in the Earth's mantle - *Ichiro Kumagai, School of Science and Engineering, Meisei University*
11:45 am - 12:30 pm	Geomorphology - Posters
11:45 - 12:30	› A graph-theoretic approach to infer process from patterns in deltaic systems - *Alejandro Tejedor, St. Anthony Falls Laboratory. University of Minnesota*
11:45 - 12:30	› A numerical implementation of landscape evolution models - *Marc Lebrun, Centre National d'Etudes Spatiales*
11:45 - 12:30	› AN OVERVIEW OF TIMESTACK IMAGE APPLICATIONS FOR NEARSHORE STUDIES - *Umberto Andriolo, Faculty of Science - University of Lisbon - Instituo Dom Luiz*
11:45 - 12:30	› Attractor Reconstruction of Spatiotemporal Interpsike Intervals with Application to a Coupled Human-Natural System - *Dylan McNamara, Dept of Physics and Physical Oceanography, UNC Wilmington*
11:45 - 12:30	› COASTLINE SHAPES : LARGE-SCALE MORPHODYNAMICS AND RESPONSES TO CLIMATES AND HUMANS - *Brad Murray, Nicholas School of the Environment ; Center for Nonlinear and Complex Systems, Duke University., Durham, NC, USA*
11:45 - 12:30	› Direct numerical simulations of aeolian sand ripples - *Philippe Claudin, Physique et mécanique des milieux hétérogenes*
11:45 - 12:30	› From viscous fingers to wormholes - interactions between emergent fingers in unstable growth - *Agnieszka Budek, Institute of Geophysics, Polish Academy of Sciences, Institute of Theoretical Physics, University of Warsaw*
11:45 - 12:30	› Ill-posedness of the Saint-Venant-Hirano Model - *Victor Chavarrias, Delft University of Technology, Faculty of Civil Engineering & Geosciences*
11:45 - 12:30	› Instability of an infiltration-driven dissolution-precipitation front - *Paweł Kondratiuk, Faculty of Physics, University of Warsaw,*
11:45 - 12:30	› INTERNAL STRUCTURE OF MOBILE BARCHAN SAND DUNES - *Nathalie Vriend, Department of Applied Mathematics and Theoretical Physics / Centre for Mathematical Sciences*
11:45 - 12:30	› Morphodynamic modelling of a complete accretionary beach sequence - *Benjamin Dubarbier, Environnements et Paléoenvironnements OCéaniques*
11:45 - 12:30	› On the origin of self-organized km-scale sandy shoreline undulations - *Albert Falqués, Department of Physics, Universitat Politecnica de Catalunya*
11:45 - 12:30	› Physical processes causing the formation of penitentes - *Philippe Claudin, Physique et mécanique des milieux hétérogenes*
11:45 - 12:30	› Scale selection in columnar jointing: insights from stearic acid experiments and numerical simulations - *Amalie Christensen, Niels Bohr Institute*
11:45 - 12:30	› Shoreline dynamics: explicit formulations from the non-linear Pelnard-Considere equation - *Frédéric Bouchette, Géoscience Montpellier*
11:45 - 12:30	› Simplified treatment of the flow and the use of a morphodynamic factor in long-term morphodynamic computations - *Liselot Arkesteijn, Delft University of Technology [[DELFT]*
11:45 - 12:30	› Stressed deserts: A new vegetation/sediment-transport model for dryland environments - *Jerome Mayaud, Oxford University Centre for the Environment*

TIME	EVENT
11:45 - 12:30	› Suspended sediment prediction in Kebir watershed, northeast of Algeria - *Kamel KHANCHOUL, Soils and Sustainable Development,Badji Mokhtar University-Annaba, Department of Geology*
12:30 pm - 2:00 pm	Lunch
2:00 pm - 3:00 pm	Invited Talk - Chris Paola
3:00 pm - 4:15 pm	Gravitational flows
15:00 - 15:30	› Debris flows: Mechanisms for snout formation - *Barbara Turnbull, Faculty of Engineering, University of Nottingham*
15:30 - 15:45	› A two-phase solid/fluid model for dense granular flows including dilatancy effects - *Anne Mangeney, Institut de Physique du Globe de Paris*
15:45 - 16:00	› Dr Robert M Dorrell - *Robert Dorrell, School of Earth and Enrironment [Leeds]*
16:00 - 16:15	› On the front of a granular flow down a rough incline - *Stéphanie Deboeuf, Institut Jean Le Rond d'Alembert*
4:15 pm - 4:45 pm	Coffee break
4:45 pm - 6:45 pm	Tectonics and Solid Earth Geophysics
16:45 - 17:15	› Geodynamic inversion to constrain the rheology of the lithosphere - *Tobias Baumann, Johannes Gutenberg Universität Mainz*
17:15 - 17:30	› Recognising the patterns in mantle convection and what they can tell us about Earth - *Suzanne Atkins, Department of Earth Sciences, Universiteit Utrecht*
17:30 - 18:00	› Heterogeneous mantle convection in a microwave oven - *Angela Limare, Institut de Physique du Globe de Paris*
18:00 - 18:15	› Spontaneous episodic initiation of one-sided subduction using visco-elasto-plastic colloidal dispersions - *Anne Davaille, Laboratoire FAST, CNRS / University Paris-Sud*
18:15 - 18:30	› Exploring viscosity variations in the Earth's mantle - *Keely O' Farrell, University College London - London's Global University*
18:30 - 18:45	› Tectonics Down Under: the mechanics of earthquakes and faulting driven by the ductile regime - *Klaus Regenauer-Lieb, University of New South Wales*
6:45 pm - 7:00 pm	Removal of the daily posters - -
7:00 pm - 10:00 pm	Cocktail Dinner

Friday, June 10, 2016

TIME	EVENT
8:30 am - 8:45 am	Registration and setup of the daily posters - -

TIME	EVENT
8:45 am - 10:00 am	Computational Geophysics
08:45 - 09:00	› The source of numerical errors in symplectic integration and perspectives in multisymplectic integration for the elastic wave equation - *Hugo JIMENEZ-PEREZ, Institut de Physique du Globe de Paris*
09:00 - 09:30	› Rapid, repeatable probabilistic inversion: The 'prior sampling' framework - *Andrew Valentine, Department of Earth Sciences, Universiteit Utrecht*
09:30 - 09:45	› A simulation-based study of micron scale, binary flows in porous rocks - *Marek Misztal, Niels Bohr Institute*
09:45 - 10:00	› Improving Particle-in-Cell advection modeling using deforming particle kernels - *henri samuel, Institut de recherche en astrophysique et planétologie*
10:00 am - 10:30 am	Coffee break
10:30 am - 11:15 am	Computational Geophysics
10:30 - 10:45	› INVERSION AND INFORMATICS COMBINED: MAXIMISING BENEFIT FROM GEO-EXPERIMENT THROUGH COMPUTATION - *Anya Reading, University of Tasmania (AUSTRALIA)*
10:45 - 11:00	› GRADUAL WAVELET RECONSTRUCTION (GWR) FOR UNDERSTANDING THE NONLINEAR STRUCTURE OF TIME-SERIES DATA AND PLACING CONFIDENCE ON MODEL PARAMETERS - *Christopher Keylock, The University of Sheffield [Sheffield]*
11:00 - 11:15	› DIMENSIONALITY REDUCTION AND UNCERTAINTY QUANTIFICATION FOR SEISMIC INVERSION - *Tristan van Leeuwen, Mathematical Institute, Utrecht University*
11:15 am - 11:45 am	Non-linear Processes
11:15 - 11:30	› On the predictability of extremes: does the butterfly effect ever decrease? - *Alef Sterk, Johann Bernoulli Institute for Mathematics and Computer Science*
11:30 - 11:45	› Empirical reconstruction of complex systems: prognostic models of evolution operator, optimal pre-processing of high-dimensional data, applications to climate - *Alexander Feigin, Instiute of Applied Physics of RAS*
11:45 am - 12:30 pm	Computational Geophysics - Posters
11:45 - 12:30	› An enhanced-automated-array method for earthquake detection and location and its application on the Preparatory Phase of the Mw 8.2 Iquique Earthquake, Chile 2014 - *Florent Aden-Antoniow, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Coherent Seismic Noise attenuation using the wave atoms transform. - *Sid-Ali Ouadfeul, Algerian Peroleum Institute*
11:45 - 12:30	› Combining data assimilation and moving meshes for moving boundary processes: application to ice sheet modelling - *Bertrand Bonan, School of Mathematical and Physical Sciences, University of Reading*
11:45 - 12:30	› DIRECT IMPLICIT ALGORITHM FOR THE SOLUTION OF ADVECTION-DIFFUSION EQUATION ON A SPHERE - *Yuri Skiba, Centro de Ciencias de la Atmosfera /UNAM*
11:45 - 12:30	› Fourth-Order NMO Velocity in Phase- and Offset-Azimuth Domains for Compressional Waves in Layered Orthorhombic Media - *Zvi Koren, Paradigm Geophysical*
11:45 - 12:30	› HIGH-PERFORMANCE PARALLEL SOLVER FOR INTEGRAL EQUATIONS OF ELECTROMAGNETICS BASED ON GALERKIN METHOD - *Mikhail Kruglyakov, Lomonosov*

TIME	EVENT
	Moscow State University - Leninskie Gory
11:45 - 12:30	› Long-Offset Parametric Moveout Approximation for VTI Layered Media - *Igor Ravve, Paradigm Geophysical*
11:45 - 12:30	› NOVEL APPROACH FOR THE DETERMINATION OF THE CORE-MANTLE BOUNDARY BASED ON ”NATIVE” WAVELET TRANSFORM OF THE GRAVITY DATA - *Natalia Matveeva, Kazan Federal University, Institute of Geology and Petroleum Technologies*
11:45 - 12:30	› Transdimensional modelling of archeomagnetic data - *Alexandre Fournier, Institut de Physique du Globe de Paris*
11:45 - 12:30	› Unconventional Likelihood functions in Geophysical Inference - *Malcolm Sambridge, Austalian National University*
11:45 am - 12:30 pm	Non-linear Processes - Posters
11:45 - 12:30	› Analysis of the stability of geoelectric fluctuations, prior to a M6.3 earthquake, by means of non-extensive statistics and multifractal spectrum. - *Elsa Leticia Flores-Marquez, Instituto de Geofísica*
11:45 - 12:30	› Decoding Physics of Convective Turbulence - *Mahendra Verma, Indian Institute of Technology [Kanpur]*
11:45 - 12:30	› Empirical forecast of interannual climate variability - *Evgeny Loskutov, Instiute of Applied Physics of RAS*
11:45 - 12:30	› HOMOCLINIC BIFURCATION DRIVING CHEMICALLY ACTIVE CREEPING FAULTS - *Sotiris Alevizos, University of New South Wales*
11:45 - 12:30	› HORTON LAW : EXACT FORMULAS AND ENTROPY RATES - *Evgenia Chunikhina, Oregon State University*
11:45 - 12:30	› HORTON LAW IN SELF-SIMILAR TREES - *Ilya Zaliapin, Department of Mathematics and Statistics, University of Nevada, Reno*
11:45 - 12:30	› Impact of the lithographic discontinuities on the karst conduit development - insights from modelling - *karine petrus, Institute of Theoretical Physics, Faculty of Physics, University of Warsaw,*
11:45 - 12:30	› Lattice Boltzmann modelling of streaming potentials : Influence of the gas-water interface dynamics on the electrokinetic coupling - *Eve-Agnès Fiorentino, Institut de physique du globe de Strasbourg*
11:45 - 12:30	› Lithofacies classification of the Barnett Shale gas reservoir using neural network. - *Sid-Ali Ouadfeul, Algerian Peroleum Institute*
11:45 - 12:30	› Mechanical measurements reflect the structure of a particulate materials - *Aurore Sibrant, University of Idaho, Fluides, automatique, systèmes thermiques*
11:45 - 12:30	› STUDY OF TRANSITIONAL FLOWS IN ROUGH WALLS CHANNEL FLOWS - *Anier Hernandez-Garcia, Niels Bohr Institute, University of Copenhagen.*
11:45 - 12:30	› The ensemble Kalman particle filter for non-Gaussian system with nonlinear measurement functions - *Zheqi Shen, Second Institute of Oceanography, SOA, China*
11:45 - 12:30	› Universalities in the clustering coefficient for seismic complex network built with real data and with data from the Burridge-Knopoff model - *Denisse Pasten, Departemento de Física, Facultad de Ciencias, Universidad de Chile*
11:45 am - 12:30 pm	Imaging techniques - Posters
11:45 - 12:30	› 2D and 3D modeling of the Kef basin, gravity analysis of the Kef area and surrounding regions, Northwest Tunisia. - *nesrine Frifita, university of sciences of Tunisia*

TIME	EVENT
11:45 - 12:30	› Anisotropic shear velocity models of the North American upper mantle based on waveform inversion and numerical wavefield computations - *P Clouzet, IPGP*
11:45 - 12:30	› Bayesian seismic tomography by interacting Markov Chains - *Alexandrine Gesret, Centre de Géosciences*
11:45 - 12:30	› GRADIENT-BASED SEISMIC INVERSION USING A FINITE FREQUENCY ASSUMPTION FOR IMAGING SUBSURFACE VELOCITY AND ATTENUATION FIELDS - *Gilles GRANDJEAN, BRGM*
11:45 - 12:30	› Imaging the shallow internal structure of the San Jacinto Fault Zone with high frequency seismic noise - *Dimitri Zigone, University of Southern California [Los Angeles], Institut de Physique du Globe de Strasbourg - Yehuda Ben-Zion, University of Southern California [Los Angeles]*
11:45 - 12:30	› Joint inversion of normal-mode and finite-frequency body-wave data using an irregular tomographic grid - *Christophe Zaroli, Institut de Physique du Globe de Strasbourg*
11:45 - 12:30	› Mantle structure of the North American continent inferred from Transdimensional Inversions of long and short period seismic data - *Marco Calo, Universidad Nacional Autónoma de México - UNAM (MEXICO)*
11:45 - 12:30	› Non-linear inversion of probability density functions of surface wave dispersion - *Eric Beucler, Laboratoire de Planétologie et Géodynamique de Nantes*
11:45 - 12:30	› OPTIMAL TRANSPORT DISTANCE FOR SEISMIC TOMOGRAPHY: APPLICATION TO FULLWAVEFORM INVERSION - *L Métivier, Laboratoire Jean Kuntzmann (LJK), Univ. Grenoble Alpes*
11:45 - 12:30	› Resolvability of regional density structure - *Agnieszka Plonka, Utrecht University - UU (NETHERLANDS)*
11:45 - 12:30	› The effect of truncating the normal mode coupling equations on synthetic spectra - *Fatemeh Akbarashrafi, Utrecht university, PhD student*
11:45 - 12:30	› Time-reversal, cross-correlation and resolution of the focal spot: A novel seismological imaging approach based on properties of refocusing surface wavefields - *Gregor Hillers, Institut des Sciences de la Terre*
11:45 - 12:30	› Towards a Full Waveform Ambient Noise Inversion - *Korbinian Sager, ETH Zurich*
11:45 - 12:30	› What does the Hessian Operator tell us about Uncertainties and Optimal Experimental Design? - *Christian Boehm, Department of Earth Sciences, ETH Zurich*
11:45 am - 12:30 pm	Seismic waves - Posters
11:45 - 12:30	› Acoustic time reversal in granular media - *Maxime Harazi, ESPCI Paris, PSL Research University, CNRS, Institut Langevin, Paris, France*
11:45 - 12:30	› Characterizing earthquake source physics with source scanning algorithms - *Frédérick Massin, Memorial University of Newfoundland - MUN (CANADA)*
11:45 - 12:30	› Long Period Scattering of Seismic Waves in Spherical Random Media - *Matthias Meschede, Institut de Physique du Globe de Paris*
11:45 - 12:30	› WAVE SOURCE LOCALIZATION: AN ENERGY BASED APPROACH - *Semih Turkaya, Institut de physique du globe de Strasbourg*
12:30 pm - 2:00 pm	Lunch
2:00 pm - 3:30 pm	Non-linear Processes
14:00 - 14:15	› Hierarchical Branching Processes - *Yevgeniy Kovchegov, Oregon State University*

TIME	EVENT
14:15 - 14:45	› Non-linear relationship between viscous dissipation and convective heat flux - *Thierry Alboussiere, Laboratoire de Géologie de Lyon - Terre, Planètes, Environnement*
14:45 - 15:00	› Dynamo bifurcations in the different dynamical regimes obtained in geodynamo simulations - *Ludovic Petitdemange, École Normale Supérieure*
15:00 - 15:15	› Destabilisation of shear flows by Alfven waves at localised magnetic fields - *Stephen Griffiths, Department of Applied Mathematics, University of Leeds*
15:15 - 15:30	› WHERE DO RIVERS GROW? PATH SELECTION AND GROWTH IN A HARMONIC FIELD - *Yossi Cohen, Department of Earth, Atmospheric and Planetary Sciences*
3:30 pm - 4:15 pm	Imaging techniques
15:30 - 16:00	› Discrete solution of the scattering problem applied to target-oriented tomographic imaging - *Yder Masson, IPGP*
16:00 - 16:15	› Trans-dimensional trees for parsimonious geophysical inversion - *Rhys Hawkins, Australian National University*
4:15 pm - 4:45 pm	Coffee break
4:45 pm - 5:30 pm	Imaging techniques
16:45 - 17:00	› Including Short Period Information Into Full Waveform Tomographic Models - *Thomas Bodin, Laboratoire de Géologie de Lyon - Terre, Planètes, Environnement*
17:00 - 17:15	› Does gravity help to improve seismic inversion for density? - *Nienke Blom, Utrecht University, Department of Earth Sciences*
17:15 - 17:30	› Imaging an Unknown Object in an Unknown Medium - *Roel Snieder, Colorado School of Mines*
5:30 pm - 6:30 pm	Seismic waves
17:30 - 18:00	› Envelope Broadening and Scattering Attenuation of a Wavelet in Random Media Having a Power-Law Spectra - *Haruo Sato, Tohoku University, Science, Geophysics*
18:00 - 18:30	› SOLVING SPATIAL INVERSION PROBLEMS USING EXACT SAMPLING - *Andrew Curtis, University of Edinburgh, Edinburgh*
6:30 pm - 6:45 pm	Removal of the daily posters - -