

ESF Conference in Partnership with LFUI

Continuing Challenges in Earthquake Dynamics: New Methods for Observing and Modelling a Multi-Scale System
24-29 September 2011, Universitätszentrum Obergurgl, Austria



List of Accepted Posters

1	Aggeliki Adamaki	Ministry of Education GreeceAristotle University Thessaloniki, Thessaloniki, Greece	Estimation of seismicity rate changes both on physical and statistical side Adamaki A. K. (1), Papadimitriou E. E.(1), Tsaklidis G. M. (2) and Karakostas V. G.(1) 1. Geophysics Department, Aristotle University of Thessaloniki, GR54124 Thessaloniki, Greece
2	Andrew Bell	University of Edinburgh, Edinburgh, United Kingdom	Evaluating the performance of models for forecasting the timing of volcanic eruptions and brittle failure in laboratory experiments Andrew F. Bell ¹ , Ian G. Main ¹ , Mark Naylor ¹ , Michael J. Heap ² , Christopher R. J. Kilburn ³ , Philip G. Meredith ³ and Malcolm
3	Youcef Bouhadad	National Center of Earthquake EngineeringResearch Center CGS, Algiers, Algeria	Earthquakes and faults interaction: A challenge for seismic hazard.
4	Alexis Cartwright- Taylor	University College London, London, United Kingdom	Comparing the non-extensive statistical physics properties of seismicity from laboratory scale (acoustic emissions) to regional and global scale (earthquakes)
5	Camilla Cattania	University of Cambridge, Cambridge, United Kingdom	Lack of Dependence of Dynamic Triggering on the Timing within the Seismic Cycle
6	Mario Chavez	UNAM, Mexico City, Mexico	3D wave propagation modelling of extreme magnitude earthquakes: opportunities and challenges M. Chavez ¹ , M. Ashworth ² , E. Cabrera ³ , D. Emerson ² , N. Perea ¹ , A. Salazar ³ , Ch. Moulinec ² 1) Institute of Engineering, UNAM, C.U., 04510, Mexico DF, Mexico
7	Denise De Gaetano	University of Ulster, Coleraine, United Kingdom	The systematic study of the stability of forecasts in the rate- and state-dependent model.
8	Alexander Dobrinevski	Laboratoire de Physique TheoriqueEcole Normale Supérieure, Paris, France	Theory of Elastic Interfaces in Disordered Media: From Mean-Field to the Renormalization Group
9	Virginie Durand	Université de Grenoble, Saint Martin d'Hères, France	Seismic interactions and delayed triggering along the North Anatolian Fault DURAND V. (ISTERRE, Grenoble, France), BOUCHON M. (CNRS, ISTERRE, Grenoble, France), KARABULUT H. (Bogazici Üniversitesi, Istanbul, Turkey), MARSAN D. (Université de Savoie, Chamb
10	Michele Fondriest	Padova University, Cles, Italy	Slipping zones from exhumed faults in dolostones (Borcola Pass Fault, Italian Southern Alps) Michele Fondriest*(1), Steven Smith(2), Dario Zampieri(1) and Giulio Di Toro(1,2) (1) Dipartimento di Geoscienze, Università degli Studi di Padova, Via Gradenigo

11	Tànit Frontera	Institut Geològic de Catalunya, Barcelona, Spain	A blind exercise to test different moment tensor inversion methodologies for the Pyrenees, towards an automatic implementation T. Frontera(1), C. Olivera(1), B. Delouis(2), S. Cesca(3), E. Buforn(4), S. Chevrot(5), X. Goula(1), and A. Lem
12	Stefania Gentili	Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Cussignacco, Italy	Seismic sequences radiated energy evolution
13	Rebecca M. Harrington	Karlsruhe Institute of Technology, Karlsruhe, Germany	What can we learn about volcanic hybrid earthquake sources from laboratory simulations of volcanic seismicity?
14	Stefan Hiemer	ETH Zurich, Zurich, Switzerland	Stochastic earthquake source model combining fault geometry, slip rates, and smoothed seismicity, Authors: S. Hiemer, Q. Wang, D.D. Jackson, Y.Y. Kagan, S. Wiemer, J.D. Zechar, J. Woessner , Affiliations: ETH Zurich (Hiemer, Wiemer, Zechar, Woessner
15	Yasemin Korkusuz	Bogazici University, Uskudar, Turkey	Recent Stress Regimes in the Marmara Region, Turkey
16	Boris Le Goff	University of Évora, Évora, Portugal	Inferring activity rates and geographical limits between contiguous zones: a Bayesian approach to seismic source modeling. Boris Le Goff (CGE, University of Évora, Portugal), Delphine Fitzenz (CGE, University of Évora, Portugal)
17	Olivier Lengliné	Université de Strasbourg, Strasbourg, France	Interplay of seismic and aseismic deformation during brittle creep crack propagation. O. Lengliné ¹ , J. Schmittbuhl ¹ , R. Toussaint ¹ , J. Elkhoury ² , J.-P. Ampuero ² , K. J. Maloy ³ ¹ IPGS, Université de Strasbourg, CNRS, France ² Seismological Laboratory, Calte
18	Konstantinos Leptokaropoulos	Aristotle University of Thessaloniki, Thessaloniki, Greece	Probabilistic seismic hazard assessment by detection of seismicity rate changes and their connection with the stress regime variation in Greece. Leptokaropoulos, K. M.(1), Papadimitriou E. E.(1), Orlecka–Sikora, B.(2) and Karakostas V. G.(1)
19	Francesco Maccaferri	Hamburg University, Hamburg, Germany	The stress shadow induced by the 1975-1984 Krafla rifting event. Maccaferri, F. (1), Passarelli, L. (1), Jonsson, S. (2), Rivalta, S. (1). 1 - Institute of Geophysics, University of Hamburg, Bundesstrasse 55, D-20146 Hamburg, Germany
20	Shane Murphy	University of Ulster, Coleraine, United Kingdom	A method for modelling induced seismicity at CCS injection sites S Murphy ¹ , G. O'Brien ² , C Bean ² , J McCloskey ¹ , and S Nalbant ¹ ¹ Geophysics Research Group, Environmental Sciences Research Institute, University of Ulster, Coleraine, UK ² Seismology and Com

21	Luigi Passarelli	University of Hamburg, Hamburg, Germany	A probabilistic approach for the classification of earthquakes as `triggered' or `not triggered': application to the 1975 Krafla diking event followed by the 13th Jan 1976 M=6.2 earthquake on the Tjörnes Fracture Zone, Iceland. Luigi Passarelli, Francesco Maccaferri, Elias Abebe Boku, Eleonora Rivalta, and Torsten Dahm.
22	Eugenio Maria Toraldo Serra	University of Naples Federico II, Naples, Italy	Inverting Source Time Functions to determine the fault kinematics: application to the L'Aquila seismic sequence (Central Italy), E.M.Toraldo Serra, A. Orefice, A. Emolo and A. Zollo,
23	Lifeng Wang	University of Potsdam, Potsdam, Germany	Stress-constrained inversion for co- and post- seismic slip, the 2004 M6.0 Parkfield earthquake as study case Lifeng Wang ^{1,2} Sebastian Hainz ³ Gert Zöller ¹ ¹ University of Potsdam, Germany ² China Earthquake Networks Center, China ³ Deutsches GeoForschungsZe
24	Jennifer Weston	University of East Anglia, Norwich, United Kingdom	Investigating the compatibility of InSAR determined earthquake source models with observed seismic data Jennifer Weston, Ana MG Ferreira, University of East Anglia, Norwich, UK