Personalized Itinerary Planner

AGU 2011 Fall Meeting

December 04 - 09, 2011

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Sunday, December 04, 2011

You have nothing scheduled for this day

Monday, December 05, 2011

Time	Session Info
8:00 AM-12:20 PM, Halls A-C (Moscone South), **T11A. Characterization of Fault Zones by Geophysical Imaging I Posters**	
8:00 AM-12:20 PM	**T11A-2279. Characterizing the recent behavior and earthquake potential of the blind western San Cayetano and Ventura fault systems** L.J. McAuliffe; J.F. Dolan; J. Hubbard; J.H. Shaw
8:00-8:00 AM	**T11A-2279. Characterizing the recent behavior and earthquake potential of the blind western San Cayetano and Ventura fault systems** L.J. McAuliffe; J.F. Dolan; J. Hubbard; J.H. Shaw
8:00 AM-10:00 AM, Room 102 (Moscone South), **IN11D. High-Resolution Modeling in the Geosciences Using GPU and Many-Core Architectures I**	
8:15-8:30 AM	**IN11D-02. A Parallel Simulated Annealing Approach to Solve for Earthquake Rupture Rates** K. Milner; M.T. Page; E.H. Field
8:15-8:30 AM	**IN11D-02. A Parallel Simulated Annealing Approach to Solve for Earthquake Rupture Rates** K. Milner; M.T. Page; E.H. Field
8:00 AM-10:00 AM, Room 2009 (Moscone West), **S11D. The Future of Structural Seismology I**	
8:30-8:45 AM	**S11D-03. Seismological Constraints on the Deep Structure of Continents *(Invited)*** T.H. Jordan; E. Paulson
8:30-8:45 AM	**S11D-03. Seismological Constraints on the Deep Structure of Continents *(Invited)*** T.H. Jordan; E. Paulson
1:40 PM-6:00 PM, Halls A-C (Moscone South), **G13A. Advances in Gravimetry and Geodetic Imaging: Instrumentation, Methods, and Applications III Posters**	
1:40 PM-6:00 PM	**G13A-0872. Rapid Determination of Near-Fault Earthquake Deformation Using LIDAR** A.A. Borsa; J.H. Minster
1:40-1:40 PM	**G13A-0872. Rapid Determination of Near-Fault Earthquake Deformation Using LIDAR** A.A. Borsa; J.H. Minster
1:40 PM-6:00 PM, Halls A-C (Moscone South), **IN13A. High-Resolution Modeling in the Geosciences Using GPU and Many-Core Architectures III Posters**	

1:40 PM-6:00 PM	**IN13A-1318. Acceleration of 3D Finite Difference AWP-ODC for seismic simulation on GPU Fermi Architecture** J. Zhou; Y. Cui; D. Choi
1:40 PM-6:00 PM, Halls A-C (Moscone South), **T13A. Creep and Faulting in Nature, the Lab, and Theory I Posters**	
1:40 PM-6:00 PM	**T13A-2350. Detection of repeating and "anti-repeating" earthquakes in the Bucaramanga Nest** S.A. Barrett; G. Prieto; G.C. Beroza
1:40 PM-3:40 PM, Room 2016 (Moscone West), **T13G. Characterization of Fault Zones by Geophysical Imaging II**	
2:40-2:55 PM	**T13G-05. Structure and seismic hazard of the Ventura Avenue anticline and Ventura fault, California** J. Hubbard; J.H. Shaw; J.F. Dolan; T.L. Pratt; L.J. McAuliffe
2:40-2:55 PM	**T13G-05. Structure and seismic hazard of the Ventura Avenue anticline and Ventura fault, California** J. Hubbard; J.H. Shaw; J.F. Dolan; T.L. Pratt; L.J. McAuliffe
4:00 PM-6:00 PM, Room 3022 (Moscone West), **DI14A. Advances in Computational Modelling in Geoscience I**	
5:45-6:00 PM	**DI14A-08. PyLith: A Finite-Element Code for Modeling Quasi-Static and Dynamic Crustal Deformation *(Invited)*** B. Aagaard; C.A. Williams; M.G. Knepley
5:45-6:00 PM	**DI14A-08. PyLith: A Finite-Element Code for Modeling Quasi-Static and Dynamic Crustal Deformation *(Invited)*** B. Aagaard; C.A. Williams; M.G. Knepley

Tuesday, December 06, 2011

Time	Session Info
8:00 AM-12:20 PM, Halls A-C (Moscone South), **S21A. Active Fault Data as Input for Seismic Hazard Analysis (SHA) IV Posters**	
8:00 AM-12:20 PM	**S21A-2162. An Earthquake Rupture Forecast Inversion Applied to Fault Systems in California** M.T. Page; E.H. Field; K. Milner
8:00-8:00 AM	**S21A-2162. An Earthquake Rupture Forecast Inversion Applied to Fault Systems in California** M.T. Page; E.H. Field; K. Milner
8:00 AM-12:20 PM, Halls A-C (Moscone South), **S21B. The Future of Structural Seismology IV Posters**	
8:00 AM-12:20 PM	**S21B-2197. Modeling Broadband motions from the Tohoku earthquake** D. Li; R. Chu; R.W. Graves; D.V. Helmberger; R.W. Clayton

8:00-8:00 AM	**S21B-2197. Modeling Broadband motions from the Tohoku earthquake** D. Li; R. Chu; R.W. Graves; D.V. Helmberger; R.W. Clayton
8:00-8:00 AM	**S21B-2200. SCEC UCVM – Unified California Velocity Model** P. Small; P.J. Maechling; T.H. Jordan; G.P. Ely; R. Taborda
8:00 AM-10:00 AM, Room 302 (Moscone South), **PA21A. Defining the Importance of the Geosciences I**	
8:45-9:00 AM	**PA21A-04. Operational Earthquake Forecasting and Decision-Making in a Low-Probability Environment** T.H. Jordan
8:45-9:00 AM	**PA21A-04. Operational Earthquake Forecasting and Decision-Making in a Low-Probability Environment** T.H. Jordan
8:00 AM-10:00 AM, Room 2009 (Moscone West), **S21D. The Static Versus Dynamic Earthquake Triggering Debate: What's New and What's Next? II**	
9:00-9:15 AM	**S21D-05. Coulomb stress changes imparted by simulated M>7 earthquakes to major fault surfaces in Southern California** J.C. Rollins; G.P. Ely; T.H. Jordan
10:20 AM-12:20 PM, Room 2016 (Moscone West), **T22A. Creep and Faulting in Nature, the Lab, and Theory: Mineral Reaction-Related Instabilities II**	
11:32-11:44 AM	**T22A-06. Earthquake source scaling, stress drops and radiated seismic energies of intermediate depth earthquakes** G. Prieto; G.A. Lopez; S.A. Barrett; G.C. Beroza
10:20 AM-12:20 PM, Room 2007 (Moscone West), **S22A. Progress in Understanding Intraplate Faulting III**	
11:50-12:05 PM	**S22A-07. Magnitude Uncertainty and Ground Motion Simulations of the 1811-1812 New Madrid Earthquake Sequence** L. Ramirez Guzman; R.W. Graves; K.B. Olsen; O.S. Boyd; S. Hartzell; S. Ni; P.G. Somerville; R.A. Williams; J. Zhong
11:50-12:05 PM	**S22A-07. Magnitude Uncertainty and Ground Motion Simulations of the 1811-1812 New Madrid Earthquake Sequence** L. Ramirez Guzman; R.W. Graves; K.B. Olsen; O.S. Boyd; S. Hartzell; S. Ni; P.G. Somerville; R.A. Williams; J. Zhong
1:40 PM-6:00 PM, Halls A-C (Moscone South), **IN23B. Software Reuse and Open Source Software in Earth Science II Posters**	
1:40 PM-6:00 PM	**IN23B-1448. SCEC Broadband Platform Strong Ground Motion Simulations** S. Kumar; S. Callaghan; P.J. Maechling; K.B. Olsen; R.J. Archuleta; P.G. Somerville; R.W. Graves; T.H. Jordan

1:40-1:40 PM	**IN23B-1451. New developments and applicability of the Collaboratory for the Study of Earthquake Predictability (CSEP) testing framework** M. Liukis; D. Schorlemmer; J. Yu; P.J. Maechling; J.D. Zechar; T.H. Jordan
1:40 PM-6:00 PM, Halls A-C (Moscone South), **S23B. Observations and Modeling of Tremor and Slow Slip and Implications for Plate Boundaries I Posters**	
1:40 PM-6:00 PM	**S23B-2271. Search for Non-Volcanic Tremor in the Aftermath of the 2010 M8.8 Maule, Chile Earthquake** R.J. Walters; G.C. Beroza; S. Ide
1:40-1:40 PM	**S23B-2271. Search for Non-Volcanic Tremor in the Aftermath of the 2010 M8.8 Maule, Chile Earthquake** R.J. Walters; G.C. Beroza; S. Ide
1:40-1:40 PM	**S23B-2276. Auto-correlation Clustering Event Detection Applied to Tectonic Tremor** A.C. Aguiar; G.C. Beroza
1:40 PM-3:40 PM, Room 103 (Moscone South), **U23C. Predicting Extreme Events in Natural and Socioeconomic Systems: State-of-the-Art and Emerging Possibilities II (Video On-Demand)**	
2:40-2:55 PM	**U23C-05. Tracking Earthquake Cascades *(Invited)*** T.H. Jordan

Wednesday, December 07, 2011

Time	Session Info
8:00 AM-12:20 PM, Halls A-C (Moscone South), **S31A. Earthquake Statistics I Posters**	
8:00 AM-12:20 PM	**S31A-2214. Application of Second-Moment Source Analysis to Three Problems in Earthquake Forecasting** J. Donovan; T.H. Jordan
8:00 AM-10:00 AM, Room 2007 (Moscone West), **S31G. Observations and Modeling of Tremor and Slow Slip and Implications for Plate Boundaries II**	
9:00-9:15 AM	**S31G-05. Discriminating Tectonic Tremor from Magmatic Processes in Observationally Challenging Environments** J.R. Brown; G.C. Beroza

Thursday, December 08, 2011

Time	Session Info
8:00 AM-10:00 AM, Room 104 (Moscone South), **U41D. The Great 11 March 2011 Tohoku Earthquake III (Video On-Demand)**	
9:44-10:00 AM	**U41D-07. Shaking and flooding by the Tohoku-Oki Earthquake** S. Wei; D.V. Helmberger; R.W. Graves; H. Kanamori; J. Avouac

10:20 AM-12:20 PM, Room 2012 (Moscone West), **T42A. Grain to Basin Scale Numerical Modeling of Deformation I**	
11:35-11:50 AM	**T42A-06. A Discrete Element Modeling Approach to Exploring the Transition Between Fault-related Folding Styles** A.N. Hughes; N.P. Benesh; R.C. Alt II; J.H. Shaw
11:35-11:50 AM	**T42A-06. A Discrete Element Modeling Approach to Exploring the Transition Between Fault-related Folding Styles** A.N. Hughes; N.P. Benesh; R.C. Alt II; J.H. Shaw
1:40 PM-6:00 PM, Halls A-C (Moscone South), **S43C. Toward Seismic Rupture Models with Constraints from Experimental and Seismological Observations I Posters**	
1:40 PM-6:00 PM	**S43C-2258. Rupture behavior and ground motion from 3D simulations of the Casa Loma – Claremont stepover on the San Jacinto Fault, southern California** J. Lozos; D.D. Oglesby; J.N. Brune; K.B. Olsen
1:40-1:40 PM	**S43C-2258. Rupture behavior and ground motion from 3D simulations of the Casa Loma – Claremont stepover on the San Jacinto Fault, southern California** J. Lozos; D.D. Oglesby; J.N. Brune; K.B. Olsen

Friday, December 09, 2011

Time	Session Info
8:00 AM-12:20 PM, Halls A-C (Moscone South), **U51B. The Great 11 March 2011 Tohoku Earthquake V Posters**	
8:00 AM-12:20 PM	**U51B-0032. Shallow Dynamic Overshoot and Energetic Deep Rupture in the 2011 Mw 9.0 Tohoku-Oki Earthquake** S. Ide; A. Baltay; S. Tamura; G.C. Beroza
8:00 AM-12:20 PM, Halls A-C (Moscone South), **NH51B. Observations, Modeling, and Economics of Extreme Events I Posters**	
8:00 AM-12:20 PM	**NH51B-1696. Broadband CyberShake Platform: Seismogram Synthesis for Broadband Physics-Based Probabilistic Seismic Hazard Analysis** S. Callaghan; P.J. Maechling; P. Small; K. Milner; R.W. Graves; T.H. Jordan
8:00 AM-12:20 PM, Halls A-C (Moscone South), **DI51A. Earth's Heterogeneous Mantle I Posters**	
8:00 AM-12:20 PM	**DI51A-2119. Global Correlations of Mantle Structure with Crustal Tectonic Regions** E. Paulson; T.H. Jordan
8:00 AM-12:20 PM, Halls A-C (Moscone South), **S51B. Numerical Seismology I Posters**	

8:00 AM-12:20 PM	**S51B-2214. Directivity-Basin Coupling in the Los Angeles Region from the CyberShake Hazard Model** F. Wang; T.H. Jordan; S. Callaghan; K. Milner; P.J. Maechling; R.W. Graves
8:00-8:00 AM	**S51B-2215. A Unified Finite Element Method for Arbitrary Elastic and Acoustic Media** H. Karaoglu; J. Bielak
8:00-8:00 AM	**S51B-2215. A Unified Finite Element Method for Arbitrary Elastic and Acoustic Media** H. Karaoglu; J. Bielak
8:00 AM-12:20 PM, Halls A-C (Moscone South), **S51C. Structure I Posters**	
8:00 AM-12:20 PM	**S51C-2244. Station-to-Station Green's Functions Extracted From Seismic Coda in Southern California** E.T. Hirakawa; S. Ma
8:00-8:00 AM	**S51C-2244. Station-to-Station Green's Functions Extracted From Seismic Coda in Southern California** E.T. Hirakawa; S. Ma
8:00 AM-12:20 PM, Halls A-C (Moscone South), **T51C. Grain to Basin Scale Numerical Modeling of Deformation II Posters**	
8:00 AM-12:20 PM	**T51C-2347. Incorporating fault-slip constraints in 3D geomechanical restoration with application to restraining bend systems in the deep-water Niger Delta.** P. Durand-Riard; J.H. Shaw; A. Plesch
8:00-8:00 AM	**T51C-2347. Incorporating fault-slip constraints in 3D geomechanical restoration with application to restraining bend systems in the deep-water Niger Delta.** P. Durand-Riard; J.H. Shaw; A. Plesch
8:00 AM-10:00 AM, Room 3024 (Moscone West), **S51E. Big Sources**	
8:15-8:30 AM	**S51E-02. Radiated Energy of Great Earthquakes** A. Baltay; S. Ide; G.C. Beroza
8:15-8:30 AM	**S51E-02. Radiated Energy of Great Earthquakes** A. Baltay; S. Ide; G.C. Beroza
8:00 AM-10:00 AM, Room 2009 (Moscone West), **S51D. 3D Seismic Imaging IV**	
9:00-9:15 AM (Conflict)	**S51D-05. Full-3D Waveform Tomography for Southern California** E. Lee; P. Chen; T.H. Jordan; P.J. Maechling; M. Denolle; G.C. Beroza
8:00 AM-10:00 AM, Room 3024 (Moscone West), **S51E. Big Sources**	
9:00-9:15 AM (Conflict)	**S51E-05. Ground Motion Prediction for a scenario M 7 Earthquake on the Southern San Andreas Fault Using the Virtual Source Approach** M. Denolle; E.M. Dunham; G.C. Beroza; G. Prieto
10:20 AM-12:20 PM, Rooms 2022-2024 (Moscone West), **S52A. Earthquake Early Warning Capabilities and Delivery Around the World II (Video On-Demand)**	

10:20-10:35 AM	**S52A-01. CISN ShakeAlert: Delivering test warnings for California earthquakes** R.M. Allen; M. Boese; H. Brown; M. Caprio; G.B. Cua; M. Fischer; D.D. Given; E. Hauksson; T.H. Heaton; M. Hellweg; I. Henson; M. Liukis; P.J. Maechling; M.A. Meier; D.S. Neuhauser; D.H. Oppenheimer; K. Solanki
11:35-11:50 AM (Conflict)	**S52A-07. Near Real-time Full-wave Centroid Moment Tensor (CMT) Inversion for Ground-motion forecast in 3D Earth Structure of Southern California** P. Chen; E. Lee; T.H. Jordan; P.J. Maechling
10:20 AM-12:20 PM, Room 2005 (Moscone West), **S52B. Toward Seismic Rupture Models with Constraints from Experimental and Seismological Observations II**	
11:35-11:50 AM (Conflict)	**S52B-06. Broadband Ground Motion Simulations for a Kinematic Variation of the Mw 7.8 ShakeOut Rupture** R.W. Graves; E. Seyhan; J.P. Stewart
1:40 PM-6:00 PM, Halls A-C (Moscone South), **S53A. Earthquake Early Warning Capabilities and Delivery Around the World III Posters**	
1:40 PM-6:00 PM	**S53A-2255. Development of ShakeAlert Performance Evaluation Software** P.J. Maechling; M. Liukis; T.H. Jordan
1:40 PM-3:40 PM, Room 2011 (Moscone West), **T53C. Earthquake Geology and Seismotectonics in South and East Asia III**	
2:25-2:40 PM	**T53C-04. Active blind-thrust faulting and growth folding in the southern Longmen Shan, eastern Tibetan Plateau** M. Wang; D. Jia; J.H. Shaw; A. Lin; B. Liu; Y. Li
4:00 PM-6:00 PM, Room 2005 (Moscone West), **S54C. Toward Seismic Rupture Models with Constraints from Experimental and Seismological Observations IV**	
5:30-5:45 PM	**S54C-07. Effect of Sediments on Rupture Dynamics of Shallow Subduction Zone Earthquakes and Tsunami Generation** S. Ma