

Personalized Itinerary Planner

AGU 2011 Fall Meeting
December 04 - 09, 2011

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Sunday, December 04, 2011

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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-2274. Strain localization and crustal thickness variation across major strike slip faults in southern California revealed by receiver function studies <u>P. Zhang</u> ; M.S. Miller; J.F. Dolan; I.W. Bailey; D.A. Okaya
8:00-8:00 AM	T11A-2279. Characterizing the recent behavior and earthquake potential of the blind western San Cayetano and Ventura fault systems <u>L.J. McAuliffe</u> ; 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 <u>K. Milner</u> ; 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) <u>T.H. Jordan</u> ; 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 <u>A.A. Borsa</u> ; 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 <u>J. Zhou</u> ; 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 <u>S.A. Barrett</u> ; 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 <u>J. Hubbard</u> ; 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 <u>J. Hubbard</u> ; 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 (<i>Invited</i>) <u>B. Aagaard</u> ; 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 (<i>Invited</i>) <u>B. Aagaard</u> ; 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 <u>M.T. Page</u> ; E.H. Field; K. Milner
8:00-8:00 AM	S21A-2162. An Earthquake Rupture Forecast Inversion Applied to Fault Systems in California <u>M.T. Page</u> ; 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 <u>D. Li</u> ; 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 <u>D. Li</u> ; R. Chu; R.W. Graves; D.V. Helmberger; R.W. Clayton
8:00-8:00 AM	S21B-2200. SCEC UCVm – Unified California Velocity Model <u>P. Small</u> ; 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 <u>T.H. Jordan</u>
8:45-9:00 AM	PA21A-04. Operational Earthquake Forecasting and Decision-Making in a Low-Probability Environment <u>T.H. Jordan</u>
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 <u>J.C. Rollins</u> ; 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 <u>G. Prieto</u> ; 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 <u>L. Ramirez Guzman</u> ; 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 <u>L. Ramirez Guzman</u> ; 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 <u>S. Kumar</u> ; 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 <u>M. Liukis</u> ; 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 <u>R.J. Walters</u> ; 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 <u>R.J. Walters</u> ; G.C. Beroza; S. Ide

1:40-1:40 PM	S23B-2276. Auto-correlation Clustering Event Detection Applied to Tectonic Tremor <u>A.C. Aguiar</u> ; <u>G.C. Beroza</u>
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) <u>T.H. Jordan</u>

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 <u>J. Donovan</u> ; <u>T.H. Jordan</u>
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 <u>J.R. Brown</u> ; <u>G.C. Beroza</u>

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 <u>S. Wei</u> ; <u>D.V. Helmberger</u> ; <u>R.W. Graves</u> ; <u>H. Kanamori</u> ; <u>J. Avouac</u>
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 <u>A.N. Hughes</u> ; <u>N.P. Benesh</u> ; <u>R.C. Alt II</u> ; <u>J.H. Shaw</u>
11:35-11:50 AM	T42A-06. A Discrete Element Modeling Approach to Exploring the Transition Between Fault-related Folding Styles <u>A.N. Hughes</u> ; <u>N.P. Benesh</u> ; <u>R.C. Alt II</u> ; <u>J.H. Shaw</u>
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 <u>E.T. Hirakawa</u> ; S. Ma
8:00-8:00 AM	S51C-2244. Station-to-Station Green's Functions Extracted From Seismic Coda in Southern California <u>E.T. Hirakawa</u> ; 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. <u>P. Durand-Riard</u> ; 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. <u>P. Durand-Riard</u> ; 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 <u>A. Baltay</u> ; S. Ide; G.C. Beroza
8:15-8:30 AM	S51E-02. Radiated Energy of Great Earthquakes <u>A. Baltay</u> ; 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 <u>(Conflict)</u>	S51D-05. Full-3D Waveform Tomography for Southern California <u>E. Lee</u> ; 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 <u>(Conflict)</u>	S51E-05. Ground Motion Prediction for a scenario M 7 Earthquake on the Southern San Andreas Fault Using the Virtual Source Approach <u>M. Denolle</u> ; 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 <u>R.M. Allen</u> ; 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 <u>(Conflict)</u>	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; <u>E. Lee</u> ; 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 <u>R.W. Graves</u> ; 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 <u>P.J. Maechling</u> ; 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 <u>M. Wang</u> ; 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 <u>S. Ma</u>