

# 2008 IRIS Workshop

## Posters

All posters will be displayed throughout the meeting.  
Presenters should be available during the poster session on the day indicated.

**WEDNESDAY, JUNE 4**

### Pushing the Limits: Integration of Active and Passive Seismic Imaging; Integration of Seismology and Mineral Physics

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51	Meghan S. Miller	3D STRUCTURE OF THE SE CARIBBEAN PLATE BOUNDARY: INTEGRATION OF ACTIVE SOURCE SEISMIC DATA, RECEIVER FUNCTIONS, AND SURFACE WAVE TOMOGRAPHY
52	Naoshi Hirata	IMAGING CRUSTAL FAULTS IN KANTO, JAPAN, WITH MESO-NET AND ACTIVE SOURCE DATA
53	Sung-Joon Chang	JOINT INVERSION FOR 3-DIMENSIONAL S-VELOCITY STRUCTURE AND RADIAL ANISOTROPY IN THE MANTLE ALONG THE TETHYAN MARGIN
54	David Abt	SHEAR-WAVE SPLITTING TOMOGRAPHY IN CENTRAL AMERICA AND THE IMPLICATIONS FOR MANTLE WEDGE FLOW
55	Haijiang Zhang	REGIONAL THREE-DIMENSIONAL SEISMIC VELOCITY MODEL OF THE CRUST AND UPPERMOST MANTLE OF NORTHERN CALIFORNIA
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57	Kris Vasudevan	SKELETON-MIGRATION IN DEEP CRUSTAL SEISMIC PROFILING
58	Colleen Dalton	RADIALLY ANISOTROPIC CRUSTAL VELOCITY STRUCTURE OF NW CANADA FROM AMBIENT-NOISE TOMOGRAPHY
59	Shuqin Ma	MAPPING THE LITHOSPHERE AND ASTHENOSPHERE BOUNDARY IN SOUTHERN AFRICA BY S RECEIVER FUNCTIONS
60	Gerardo Leon Soto	SEISMIC ANISOTROPY AND MANTLE DYNAMICS IN THE RIVERA SUBDUCTION ZONE
61	Ahyi Kim	COMPARISON BETWEEN TWO 3D VELOCITY STRUCTURES IN THE SAN FRANCISCO BAY AREA
62	Chingwen Chen	RAYLEIGH WAVE DISPERSION ANALYSIS IN THE LOWER GREAT LAKES REGION
63	Robert Hawman	CRUSTAL ROOTS AND VP/VS VARIATIONS IN THE SOUTHERN APPALACHIANS: A COMPARISON OF RECEIVER FUNCTIONS WITH MIGRATED SECTIONS DERIVED FROM THREE-COMPONENT, WIDE-ANGLE P & S REFLECTION DATA
64	Paul Silver	EVIDENCE FOR A COMPOSITIONAL BOUNDARY WITHIN THE LITHOSPHERIC MANTLE BENEATH THE KALAHARI CRATON FROM S RECEIVER FUNCTIONS
65	Andrew Schaeffer	SEISMIC LOW VELOCITY ZONE BENEATH THE SLAVE CRATON CHARACTERIZED USING P AND S RECEIVER FUNCTIONS
66	Raymond M. Russo	SHEAR WAVE SPLITTING AND SEISMIC VELOCITY STRUCTURE OF THE CHILE RIDGE SUBDUCTION REGION
67	Hao Kuo-Chen	S-SPLITTING MEASUREMENTS AND THE TAIWAN OROGENY
68	En-Jui Lee	IMAGING THE UPPER MANTLE STRUCTURE UNDER TAIWAN—A TAIGER PROJECT
69	Francis Wu	JOINT INTERPRETATION OF TAIGER PASSIVE AND ACTIVE SOURCE DATA FOR IMAGING THE OROGEN

70	Phil Wannamaker	MODES OF LITHOSPHERIC DISMEMBERMENT, MAGMATIC INPUT, AND IMPLICATIONS FOR RHEOLOGICAL MODELS OF THE GREAT BASIN AND COLORADO PLATEAU REGIONS, NEVADA AND UTAH; IMPLICATIONS FROM DEEP MT RESISTIVITY SURVEYING
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30	John Hemlund	GROWTH OF THE HETEROGENEOUS INNERMOST INNER CORE FROM A HOMOGENEOUS FLUID
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43	Matt Toigo	IRIS LAUNCHES A NEW WEB SITE
44	Jennifer Eakins	THE EARTHSCOPE USARRAY ARRAY NETWORK FACILITY (ANF): METADATA, NETWORK AND DATA MONITORING, QUALITY ASSURANCE AS WE START TO ROLL
45	Steve Azevedo	PIC KITCHEN, CONTROLLED SOURCE DATA SUBMISSION USING HDF5
46	Chad Trabant	USARRAY ACTIVITIES AT THE IRIS DMC
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50	Bob Woodward	THE STATUS OF EARTHSCOPE'S USARRAY

## Seismology, Geodesy, and Ice Dynamics in Polar Regions

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1	Masaki Kanao	BROADBAND ARRAY DEPLOYMENTS AND CRUST—MANTLE STRUCTURE AROUND THE LÜTZOW-HOLM BAY, EAST ANTARCTICA
2	Masaki Kanao	BROADBAND SEISMIC DEPLOYMENTS IN EAST ANTARCTICA: IPY CONTRIBUTION TO UNDERSTANDING THE EARTH'S DEEP INTERIOR
3	Yusuke Usui	SHEAR WAVE SPLITTING BENEATH LÜTZOW-HOLM BAY REGION, EAST ANTARCTICA AND SRI LANKA
4	Tim Parker	DESIGN AND IMPLEMENTATION OF COLD-HARDENED SEISMIC STATIONS
5	Marvin Speece	OVER-SEA-ICE SEISMIC REFLECTION SURVEYS IN ANTARCTICA USING A GI AIR GUN AND A SNOWSTREAMER
6	Richard Aster	CLASH OF THE ICEBERGS
7	Paul Winberry	MICROSEISMIC AND GEODETIC OBSERVATIONS OF ICE SHEET DYNAMICS
8	Moira Pyle	AMBIENT NOISE RAYLEIGH WAVE GROUP VELOCITIES IN ANTARCTICA FROM A LARGE SCALE BROADBAND ARRAY
9	Douglas Wiens	TELESEISMIC LONG-PERIOD RADIATION FROM MW 7.0 STICK-SLIP MOTION OF THE WHILLANS ICE STREAM, WEST ANTARCTICA

## Transportable Array/USArray: Transformative Science, Technology, and Culture

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125	Morgan Moschetti	CRUSTAL SHEAR-WAVE VELOCITY STRUCTURE AND RADIAL ANISOTROPY BENEATH THE WESTERN UNITED STATES FROM AMBIENT NOISE MEASUREMENTS
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129	Zhen Xu	BOOTSTRAP ANALYSIS ON SURFACE WAVE DISPERSION AND TOMOGRAPHY DERIVED FROM AMBIENT NOISE CROSS-CORRELATION
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132	Yong Keun Hwang	SPATIAL VARIATIONS OF ATTENUATION IN THE MANTLE BENEATH NORTH AMERICA FROM P WAVE SPECTRAL RATIOS

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11	Michael Brudzinski	DANCING WITH THE PLATES: WATCHING FAULTS SHIMMY AND SHAKE
12	John Vidale	WHAT DOES TREMOR REALLY LOOK LIKE? INITIAL RESULTS FROM AN 80-ELEMENT ARRAY
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14	Jonathan Lees	WAVEFORM MODELING OF SANTIAGUITO VOLCANO EXPLOSIONS
15	Ana Aguiar	MOMENT RATE DURING CASCADIA TREMOR CONSTRAINED BY GPS
16	Aaron Wech	WASHINGTON TREMOR LOCATIONS
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19	Devin Boyarko	SPATIAL PATTERNS OF NONVOLCANIC TREMOR SOURCE LOCATIONS ALONG THE CASCADIA SUBDUCTION ZONE
20	Hector Hinojosa-Prieto	SPATIAL AND TEMPORAL PATTERNS OF NON-VOLCANIC TREMOR SOURCE LOCATIONS ALONG THE OAXACAN SEGMENT OF THE MEXICAN SUBDUCTION ZONE
21	Alejandro Gallego	TIDAL CONSTITUENTS IN NON VOLCANIC SEISMIC TREMOR ACTIVITY AT THE CHILE TRIPLE JUNCTION
22	David Shelly	REPEATING NATURE AND RELATIVE LOCATION OF SAN ANDREAS FAULT TREMORS NEAR CHOLAME, CA
23	Taka'aki Taira	DYNAMICALLY-INDUCED WEAKENING OF THE SAN ANDREAS FAULT BY THE 2004 SUMATRA-ANDAMAN EARTHQUAKE
24	Abhijit Ghosh	NON-VOLCANIC TREMOR AT SAN ANDREAS FAULT NEAR PARKFIELD TRIGGERED BY THE GREAT SUMATRA EARTHQUAKE, 2004
25	Pascal Audet	SEISMIC EVIDENCE FOR OVERPRESSURED SUBDUCTED OCEANIC CRUST
26	Aurelie Guilhem	INFLUENCE OF LARGE EARTHQUAKES ON THE NONVOLCANIC TREMOR ACTIVITY IN THE PARKFIELD-CHOLAME REGION, CA
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### Synergy in Seismic Event Monitoring and Research

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101	Hongfeng Yang	DETERMINATION OF FAULT PLANE AND RUPTURE DIRECTIVITY OF THE APRIL 2008 M5.2 MOUNT CARMEL EARTHQUAKE, ILLINOIS, USING DOUBLE DIFFERENCE RELOCATION AND SOURCE TIME FUNCTION ESTIMATION TECHNIQUES
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