

Day 1(22 July)	Presenters	Title
9:00-9:45	Opening Plenary	
	<i>Break</i>	
	Session 5: (Chairperson: Richard GROSS and Kosuke HEKI)	
10:15-10:45	(Invited) Zuheir ALTAMIMI, Daphné LERCIER, Laurent METIVIER, and Xavier COLLILIEUX	Impact of Earthquakes on the International Terrestrial Reference Frame
10:45-11:00	Jeffrey FREYMUELLER, Wenke SUN, and Jie DONG	Comparing Calculation Methods for Far-Field Coseismic Deformation
11:00-11:15	Hirofumi TSUJI, Tomoaki FURUYA, Kohei MIYAGAWA, Yudai SATO, Hiroshi MUNEKANE, and Yuki HATANAKA	Impact of the 2011 Tohoku Earthquake on the Nationwide GNSS Array in Japan (GEONET)
11:15-11:30	Jay PARKER, Richard GROSS, Michael HEFLIN, Xiaoping WU, Claudio ABBONDANZA, and Toshio M. CHIN	Displacement from Very Large Earthquake Models: Impact on Frame Estimation
11:30-11:45	Kensuke KOKADO	Revision of Control Point Survey Results After the 2011 off the Pacific Coast of Tohoku Earthquake
11:45-12:00	Seiichi SHIMADA	Local Inhomogeneity of Reference Frame in Japanese Domestic Nationwide GNSS Network After the 2011 Great East Japan Earthquake
	<i>Lunch</i>	
	Session 6: (Chairperson: Tim WRIGHT and Takeshi MATSUSHIMA)	
13:00-13:30	(Invited) Masato IGUCHI	Precursory and Co-eruptive Ground Deformation of Vulcanian Eruptions at the Showa Crater of the Sakurajima Volcano, Kyushu, Japan
13:30-13:45	H. MUNEKANE, J. OIKAWA, and T. KOBAYASHI	The Very-Long-Period Seismic Signals at Miyake-Jima Volcano during the Caldera Formation Revisited: Insights from GPS Observations
13:45-14:00	Ken'ichi YAMAZAKI, Masahiro TERAISHI, Kazuhiro ISHIHARA, and Shintaro KOMATSU	Volcanic Processes Revealed by Vault-Housed Extensometers
14:00-14:15	Yosuke AOKI, and Teguh Purunama SIDIQ	Ground Deformation Associated With the Eruption of Lumpur Sidoarjo Mud Volcano, East Java, Indonesia
14:15-14:30	Yuki NAKASHIMA, and Kosuke HEKI	Ionospheric Disturbances by Vulcanian Explosions from GNSS-TEC
	Session 4: (Chairperson: Yusaku OHTA and Masato FURUYA)	
14:30-14:45	Estu KRISWATI, Hasanudin Z. ABIDIN, Irwan MEILANO, Masato IGUCHI, and SURONO	Increase on Talang and Sinabung Volcanic Activity Induced by Tectonic Earthquake
14:45-15:00	Yuji HIMEMATSU, and Masato FURUYA	The Detection of Crustal Deformation Associated With Earthquake Swarm in Tanzania Observed by SAR
	<i>Break</i>	
15:30-15:45	Fumiaki KIMTA, Masayuki MURASE, and Koji ONO	Researches on Magma Intrusion Process Based on Precise Leveling in Active Volcanoes of Ontake, Asamayama, and Koze, in Central Japan
15:45-16:00	Yuichiro HIRATA, Yusaku OHTA, Mako OHZONO, and Satoshi MIURA	Characteristic Strain Distribution Caused by the Postseismic Deformation Following the 2011 Tohoku Earthquake Based on Dense GNSS Networks
16:00-16:15	Makoto MURAKAMI, Takahiro ABE, Masato FURUYA, and Satoshi OKUYAMA	Recurrent Sub-Meter Slope Sliding of Large Block on Buried Cenozoic Calderas in Tohoku, Japan, Triggered by 2008 M7.2 and 2011 M9 Earthquakes: Forerunners of Future Catastrophic Landslides?
	Session 2: (Chairperson: Simon McCLUSKY and Cécile Lasserre)	
16:15-16:30	Andrea DONNELLAN, and Jay PARKER	GPS and UAVSAR Observations of Salton Trough Fault Slip and Deformation Associated with the 2010 M 7.2 El Mayor – Cucapah Earthquake
16:30-16:45	Ekbal HUSSAIN, Tim WRIGHT, Gregory HOUSEMAN, and Richard WALTERS	Variation in Postseismic Deformation After the 1999 Izmit and Düzce Earthquakes, Turkey
16:45-17:00	Masayuki KANO, Shin'ichi MIYAZAKI, Yoichi ISHIKAWA, Yoshihisa HIYOSHI, Kosuke ITO, and Kazuro HIRAHARA	Estimation of Frictional Parameters in Afterslip Areas by Assimilating GPS Data: Application to the 2003 Tokachi-oki Earthquake
17:00-17:15	Kayako HORI, Yosuke AOKI, Teruyuki KATO, and Kaoru MIYASHITA	Post-Seismic Crustal Movements of the 11 April Mw6.6 Fukushima Hamadori Earthquake Based on GPS Observations
17:15-17:30	Martin FUCHS, Taco BROERSE, Johannes BOUMAN, and Andrew HOOPER	Integrated Inverse Modeling of Coseismic and Postseismic Deformation and Space Borne Gravimetric Measurements for the 2011 Tohoku-Oki Earthquake
17:30-17:45	Yusaku TANAKA, and Kosuke HEKI	The Two Components of Postseismic Gravity Changes Observed with GRACE Satellites

Day 2(23 July)	Presenters	Title
	Session 2(Cont'd): (Chairperson: Takao TABEL and Takuya NISHIMURA)	
9:00-9:15	Kasey W. SCHULTZ, John B. RUNDLE, M. K. SACHS, K. F. TIAMPO, T. J. HAYES, J. FERNANDEZ, D. L. TURCOTTE, and A. DONNELLAN	Monitoring Major Fault Systems from Space: Modeling Implications for Dedicated Gravity Missions
9:15-9:30	Takao TABEL, Fumiaki KIMATA, Takeo ITO, Endra GUNAWAN, Hiroyuki TSUTSUMI, Yusaku OHTA, Tadashi YAMASHINA, Nazli ISMAIL, Irwandi NURDIN, Didik SUGIYANTO and Irwan MEILANO	Geodetic and Geomorphic Evaluations of Earthquake Generation Potential of the Northern Sumatran Fault, Indonesia
9:30-9:45	Takahiro OHKURA, Takao TABEL, Fumiaki KIMATA, Teresito C. BACOLCOL, Artemio C. LUIS Jr., Alfie PELICANO, Robinson JORGIO, Milo TABIGUE, Magdalino ABRAHAN, Eleazar JORGIO, Yasuhiko NAKAMURA, and Endra GUNAWAN	Plate Convergence and Block Movements in Mindanao Island, Philippines as Revealed by GPS Observation
9:45-10:00	Sumanta PASARI, Teruyuki KATO, Onkar DIKSHIT, Javed N MALIK, and Koji OKUMURA	Geodetic Investigation of Crustal Deformation and Strain Rate in the Northwest-Central Himalaya
10:00-10:15	Amarjargal SHARAVI, Teruyuki KATO, and Makiko IWAKUNI	New Velocity Solution in Mongolia from Decadal GPS Observations: Constraining Geodynamics in Northeast Asia
	<i>Break</i>	
10:30-10:45	PATHIER Erwan, Bénédicte FRUNEAU, Marie-Pierre DOIN, Jyr-Ching HU, Johann CHAMPENOIS, and Yu-Tzu LIAO	New Insight Into Southwestern Taiwan Active Tectonic Deformation From ALOS-InSAR and GPS Observations
10:45-11:00	Yoshiyuki TANAKA, and Satoshi IDE	An Approximately 9-yr-period Variation in Seismicity and Crustal Deformation Near the Japan Trench and a Consideration of its Origin
11:00-11:15	Akiteru TAKAMORI, Akitto ARAYA, Wataru MORII, Souichi TELADA, Takashi UCHIYAMA, and Masatake OHASHI	A Laser Strainmeter System for Geodetic Observations at Kamioka Underground Site
11:15-11:30	Takeshi SAGIYA	Crustal Deformations of Northeast Japan Associated With Earthquake Recurrence at the Japan Trench : Are Paradoxes Solved ?
11:30-11:45	M. Burak. YIKILMAZ, D. L. TURCOTTE, O. BEKETOVA, L. H. KELLOGG, and J. B. RUNDLE	The Earthquake Cycle on the San Andreas Fault System in Northern California
11:45-12:00	Tim J WRIGHT, David CORNWELLI, Katie FARRELL, Greg HOUSEMAN, Ekbal HUSSAIN, Geoffrey LLOYD, Richard PHILLIPS, David THOMPSON, Sebastian ROST, Tadashi YAMASAKI, Niyazi TURKELLI, and Levent GULEN	The Earthquake Loading Cycle and the Deep Structure of the North Anatolian Fault
	<i>Lunch</i>	
	<i>Poster Group-1 Core time</i>	
	Session 2(Cont'd): (Chairperson: Takeshi SAGIYA and Yoshiyuki TANAKA)	
14:00-14:30	(Invited) Jack LOVELESS, and Brendan MEADE	Kinematic Barrier Constraints on the Magnitudes of Additional Great Earthquakes off the East Coast of Japan
14:30-14:45	Angela MENESES, and Takeshi SAGIYA	Time Dependent Aseismic Crustal Deformation Associated With the 2004 Chuetsu and the 2007 Chuetsu-Oki Earthquakes
14:45-15:00	Teruyuki KATO, Akio FUJITA, Mikio SATOMURA, Ryoya IKUTA, and Yasushi HARADA	Analysis of Detailed Crustal Strains due to the Dense GNSS Array in the Tokai Region, Central Japan
15:00-15:15	Tadafumi OCHI	Temporal Changes of Interplate Coupling and Possible Long-term SSE in the Tokai Region After 1981
15:15-15:30	Akio FUJITA, Teruyuki KATO, Ryoya IKUTA, and Mikio SATOMURA	Monitoring of Coupling Distribution and Small Short-Term SSEs in Southwest Japan Based on GEONET Data
	<i>Break</i>	
16:00-16:15	Mako OHZONO, Hiroaki TAKAHASHI, and Masayoshi ICHIYANAGI	An Intraplate Slow Earthquake Observed by Dense GPS Network in Hokkaido, Northernmost Japan
16:15-16:30	Takuya NISHIMURA	Short-Term Slow Slip along the Ryukyu Trench, Southwest Japan Clarified by GNSS data
16:30-16:45	R. JOLIVET, T. CANDELA, C. LASSERRE, F. RENARD, Y. KLINGER and M.-P. DOIN	The Burst-Like Behavior of Aseismic Slip on a Rough Fault: the Creeping Segment of the Haiyuan Fault, China
16:45-17:00	Marie-Pierre DOIN, Gabriel DUCRET, Raphaël GRANDIN, Marianne METOIS, Anne SOCQUET, and Christophe VIGNY	Strain Accumulation in Central Chile (25°-35°S) Observed by ERS and Envisat SAR Data
17:00-17:15	Tim J WRIGHT, Richard WALTERS, Pablo GONZALEZ, Andy HOOPER, David BEKAERT, Matthew GARTHWAITE, Ekbal HUSSAIN, and Hua WANG	Towards a Global Strain Map from InSAR and GPS
17:15-17:30	Yuhei SUZUKI, Shinji TODA, Keisuke YOSHIDA, and Tomomi OKADA	Stressing Rate on Active Fault Inverted from Seismicity and Geodetic Data: An Example from Aftershock Zone of the 2008 Mw=6.9 Iwate-Miyagi Inland Earthquake, Northeast Japan

Day 3(24 July)	Presenters	Title
	Session 1: (Chairperson: Kelin WANG and Jeff FREYMUELLER)	
9:00-9:15 (Session2)	Xin ZHOU, Gabriele CAMBIOTTI, Wenke SUN and Roberto SABADINI	Co-seismic Slip Distribution Inverted from Satellite Gravimetric Data Based on a Spatial Sampling Method
9:15-9:30	Kelin WANG, Susan L. BILEK, and Xiang GAO	Geodynamic and Hazard Implications of Megathrust Creep Associated with Subduction of Rough Seafloor Relief
9:30-9:45	Lujia FENG, Andrew V. NEWMAN, Marino PROTTI, Víctor GONZALEZ, and Timothy H. DIXON	Anticipating and Capturing the 2012 MW 7.6 Nicoya Earthquake in Costa Rica Using Near-field GPS Measurements: Are We Closer to Forecasting Earthquakes?
9:45-10:00	Kota HIBINO, Naoki UCHIDA, Takeshi MATSUSHIMA, Wataru NAKAMURA, and Toru MATSUZAWA	Study on Spatial distribution of Small Repeating Earthquakes; Estimate Average Slip Rate and Slip Deficit along Izu-Bonin and Ryukyu Trench
10:00-10:15	Yoko TU and Kosuke HEKI	The Distribution of Slow Slip Events along the Ryukyu Subduction Zone
	<i>Break</i>	
10:30-10:45	Motoyuki KIDO, Hiromi FUJIMOTO, Ryota HINO, Yusaku OHTA, Yukihito OSADA, Takeshi IINUMA, Ryosuke AZUMA, Ikuko WADA, Syuichi SUZUKI, Fumiaki TOMITA, and Misae IMANO	Achievement of the Project for Advanced GPS/Acoustic Survey in the Last Four Years
10:45-11:00	Takeshi IINUMA, Ryota HINO, Motoyuki KIDO, Yusaku OHTA, and Satoshi MIURA	Interplate Coupling in and Around the Rupture Area of the 2011 Tohoku Earthquake (M9.0) Before its Occurrence Based on Terrestrial and Seafloor Geodetic Observations
11:00-11:15	Ryota HINO, Daisuke INADU, Yusaku OHTA, Yoshihiro ITO, Syuichi SUZUKI, Takeshi IINUMA, Yukihito OSADA, Motoyuki KIDO, Hiromi FUJIMOTO, and Yoshiyuki KANEDA	Inspection of Continuous Seafloor Vertical Deformation Records Prior to the 2011 Tohoku Earthquake for Short-Term Precursory Events
11:15-11:30	Yukitoshi FUKAHATA, Yuji YAGI, and Shin'ichi MIYAZAKI	Constraints on Early Stage Rupture Process of the 2011 Tohoku-oki Earthquake from 1 Hz GPS Data
11:30-11:45	Ichiro KAWASAKI, Hiroshi ISHI, Yasuhiro ASAI, and Takuya NISHIMURA	A Super Subevent of Mw8.4 Obtained by GPS High Rate Records of GEONET and a Stress Record of TRIES in Japan
11:45-12:00	Yosuke AOKI	Adaptive Fault Discretization for the Inversion of Geodetic Data with an Application to the 2011 Tohoku-Oki Earthquake
	<i>Lunch</i>	
	<i>Poster Group-2 Core time</i>	
	Session 1(Cont'd): (Chairperson: Satoshi MIURA and Motoyuki KIDO)	
14:00-14:15	Shun-ichi WATANABE, Tadashi ISIKAWA, Yusuke YOKOTA, Mariko SATO, and Akira ASADA	Co- and Postseismic Seafloor Movements Associated With the 2011 Tohoku-oki Earthquake Detected by GPS/Acoustic Positioning
14:15-14:30	Fumiaki TOMITA, Motoyuki KIDO, Yukihito OSADA, Ryosuke AZUMA, Ryota HINO, Hiromi FUJIMOTO, Takeshi IINUMA, Yusaku OHTA, and Ikuko WADA	Postseismic Seafloor Deformation Associated with the 2011 Tohoku-Oki Earthquake Revealed by Repeated GPS/Acoustic Observations
14:30-14:45	Takeo ITO, Syota SUZUKI, Kachishige SATO and Mamoru HYODO	Spatio-temporal Distribution of Afterslip due to the 2011 Tohoku-Oki Earthquake Using 3-D Visco-Elastic FEM Green's Function
14:45-15:00	Mako OHZONO, Hiroaki TAKAHASHI, Nikolay V. SHESTAKOV, and Mikhail D. GERASIMENKO	Rheological Property Beneath the Northeast Asia Estimated from Postseismic Deformation After the 2011 Tohoku Earthquake
15:00-15:15	Koji MATSUO, Yoichi FUKUDA, and Yoshiyuki TANAKA	Detection of Postseismic Signatures of the 2006 and 2007 Kuril Islands Earthquakes from GRACE Gradiometry
15:15-15:30	Endra GUNAWAN, Takeshi SAGIYA, Takeo ITO, Fumiaki KIMATA, Takao Tabei, Yusaku OHTA, Irwan MEILANO, Hasanuddin Z. ABIDIN, AGUSTAN, Irwandi NURDIN, and Didik SUGIYANTO	A Comprehensive Model of Postseismic Deformation of the 2004 Sumatra-Andaman Earthquake Deduced from GPS Observations in Northern Sumatra
15:30-15:45	Gyula GRENERCZY, Tamas JAMBOR, Merce FERENC, Péter FARKAS, and Renáta HEVÉR	Secular and Dynamic Deformation of the Carpathian Basin: Tectonics of a Back-Arc Basin Inversion and Extreme Distant Detection of Seismic Waves Based on Long-Term and High-Rate GPS Data
	<i>Break</i>	
	Session 7: (Chairperson: Manabu HASHIMOTO and Yoichi FUKUDA)	
16:15-16:30	Richard GROSS	The International Association of Geodesy's Global Geodetic Observing System
16:30-16:45	Yehuda BOCK, Sharon KEDAR, Angelyn W. MOORE, Donald ARGUS, Peng FANG, Jianghui GENG, Jennifer S. HAASE, Zhen LIU, Diego MELGAR, Susan OWEN, Melinda B. SQUIBB, and Frank WEBB	Twenty-Two Years of Combined GPS Products for Geophysical and Atmospheric Applications and a Decade of Seismogeodesy
16:45-17:00	Attila KOMJATHY, Yu-Ming YANG, Xing MENG, Olga VERKHLYADOVA, Anthony MANNUCCI and Richard LANGLEY	Recent Advances in Early Detection of Natural Hazards Generated TEC Perturbations
17:00-17:15	Manabu HASHIMOTO	Ground Deformations in the Kyoto and Osaka Area during Recent 19 Years Detected with INSAR
17:15-17:30	Ryo NATSUAKI, and Masanobu SHIMADA	Local Co-Registration Method for Creating Accurate SAR Interferogram in Mountainous Regions

Day 4(25 July)	Presenters	Title
	Session 3: (Chairperson: Shuanggen JIN and Teruyuki KATO)	
9:00-9:30	(Invited) Susan OWEN, Mark SIMONS, Hook HUA, Sang-Ho YUN, Frank WEBB, Luigi DINI, Angelyn MOORE, Piyush AGRAM, Zhen LIU, Eric FIELDING, Paul ROSEN, Pietro MILILLO, Jascha POLET, and Paul LUNDGREN	Integrating SAR, High-Rate GPS, and Seismology for Natural Hazard Monitoring & Response: Applying Geodetic Science to Improve Situational Awareness
9:30-9:45	Satoshi KAWAMOTO, Kohei MIYAGAWA, Toshihiro YAHAGI1, Masaru TODORIKI, Takuya NISHIMURA, Yusaku OHTA, Ryota HINO, and Satoshi MIURA	Development and Reliability of Real-Time Fault Model Estimation Routines in the GEONET Real-Time Processing System
9:45-10:00	John B RUNDLE, James HOLLIDAY, Donald TURCOTTE, William GRAVES, Andrea DONNELLAN, Mark YODER, and Eric HEIEN	Earthquake Probabilities on Global Scales
10:00-10:15	Tengyu ZHANG, and Shuanggen JIN	The Rupture and Upper Mantle Rheology of the 2011 Japan Earthquake Constrained by GRACE and GPS
	<i>Break</i>	
10:30-10:45	Yoaz BAR-SEVER, Willy BERTIGER, Miquel Garcia FERNANDEZ, Nate HARVEY, Larry ROMANS, and Jan WEISS	Optimized Precise-Point-Positioning Service for Natural Hazard Monitoring
10:45-11:00	Toshihiro YAHAGI, Kohei MIYAGAWA, Satoshi KAWAMOTO, Yudai SATO, Takuya NISHIMURA, Yusaku OHTA, Tomotsugu DEMACHI, Ryota HINO, Satoshi MIURA, Yuichi Saida, and Yuki Douke	Launch of a New GEONET Real-Time Analysis System (REGARD) for Rapid Mw Estimates in Japan
11:00-11:15	Kosuke HEKI	Some Problems in Preseismic Ionospheric Electron Enhancements
11:15-11:30	Shuanggen JIN, and Rui JIN	GPS TEC Disturbances and Behaviors Following the 2011 Tohoku Earthquakes
11:30-11:45	Y. Tony SONG	Determining Tsunami Energy Scales with Real-Time GNSS Network for Early Warnings
11:45-12:00	Peiliang XU, Chuang SHI, Rongxin FANG, Jingnan LIU, Xiaoji NIU, Quan ZHANG and Takashi YANAGIDANI	High-rate 50 Hz GPS Precise Point Positioning to Measure Seismic Wave Motions: Experiments and Comparisons with Inertial Measurement Units
	<i>Lunch</i>	
	Session 7(Cont'd): (Chairperson: Manabu HASHIMOTO and Kazunari NAWA)	
13:00-13:30	(Invited) Michinori HATAYAMA	How to Apply Results of Advanced Geodetic Survey to Disaster Prevention, Mitigation and Response
13:30-13:45	Shinji TODA, and Ross S. STEIN	Use of the M=9 Tohoku-Oki Earthquake to Test the Hypothesis That Aftershock Duration Is Governed by Fault Stressing Rate
13:45-14:00	Nato JORJIASHVILI, and Mikheil ELASHVILI	Seismic Hazard Analysis of Adjara Region in Georgia
14:00-14:15	Michio HASHIZUME	Natural Disasters in Thailand - Paradise of the World-
14:15-14:30	Yoichi FUKUDA, Jun NISHIJIMA, Yayan SOFYAN, Makoto TANIGUCHI, Mahmud YUSUF, and Hasanuddin Z. ABIDIN	Application of A10 Absolute Gravimeter for Monitoring Land Subsidence in Jakarta, Indonesia
14:30-14:45	Hiroshi OGASAWARA, Harumi KATO, Gerhard HOFMANN, Chris STANDER, Phil PIPER, Tony WARD, Dave ROBERTS, Trevor CLEMENTS, and Yasuo YABE	In-Situ Stress Measurements and Calibration of Stress Modeling to Mitigate Seismic Hazard at Deep-Levels South African Gold Mines
14:45-15:00	Hiroshi OGASAWARA, Taishi KATSURA, Gerhard HOFMANN, Y. YABE, M. NAKATANI, M. NAOI, H. KAWAKATA, and Hiroshi ISHII	In-Situ Monitoring of Strain Change in Seismogenic Volumes to Calibrate Fault Loading at Deep-Levels South African Gold Mines to Mitigate Seismic Hazard
	<i>Break</i>	
15:30-16:00	Closing Plenary	