

CODE	No	SESSION	CHAIRPERSONS	DAY	ROOM	FROM	TO
<b>SPECIAL SYMPOSIA</b>							
S01.01	134	"Big Science" in Geology	<i>Camerlenghi Angelo, Farrell John</i>	Aug. 24	1	09:00	17:00
S02.01	45	CROP - Deep Seismic Soundings in the Italian Area	<i>Dogliani Carlo, Mazzotti Alfredo, Scandone Paolo</i>	Aug. 22	1	09:00	17:00
S03.01	228	Cultural Heritage: International Approaches and Perspectives	<i>Eder Wolfgang F., Margottini Claudio</i>	Aug. 26	1	09:00	17:00
S04.01	180	Deep Geologic Repositories	<i>Gürpınar Ayrbars, Rempe Norbert T., Serva Leonello</i>	Aug. 25	1	09:00	17:00
S05.01	319	Ethics of Peer Review System and Quality Assessment in Earth Sciences	<i>Ashley Gail M., Zuffa Gian Gaspare</i>	Aug. 28	1	09:00	11:45
S06.01	92	Geological Anatomy and Paleogeographic Evolution of the Mediterranean Region: the TRANSMED Project of the Mediterranean Consortium	<i>Cavazza William, Roure François, Spakman Wim, Stampfli Gerard M., Ziegler Peter A.</i>	Aug. 23	1	09:00	17:00
S07.01	276	Geologic Hazards: International Approaches and Perspectives	<i>Barberi Franco</i>	Aug. 27	1	09:00	17:00
S08.01	229	Major Discoveries in Sedimentary Geology in the Mediterranean Realm from a Historical Perspective to New Developments	<i>Bernoulli Daniel, Cita Maria Bianca, McKenzie Judith A.</i>	Aug. 26	2	09:00	17:00
S09.01	181	New Concepts in Global Tectonics	<i>Choi Dong R., Dickins J. Mac, Wezel Forese Carlo</i>	Aug. 25	2	09:00	17:00
S10.01	135	Progress in International Geoscience Projects	<i>Derbyshire Edward, Leahy Patrick P.</i>	Aug. 24	2	09:00	17:00
S11.01	46	The Geological Time Scale - Recent Developments and Global Correlations	<i>Gradstein Felix M., Ogg James G.</i>	Aug. 22	2	09:00	17:00
S12.01	1	The Mediterranean	<i>Masclé Jean, Zitellini Nevio</i>	Aug. 21	1	09:00	17:00
S13.01	277	Uranium deposits: exploration, geology and environmental issues	<i>Blaise Jean Rene', Boitsov Alexander</i>	Aug. 27	2	09:00	17:00
S14.01	2	Bridging the gap between engineering geology and rock engineering in design and construction of underground works	<i>Barla Giovanni Battista</i>	Aug. 21	2	09:00	17:00

### TOPICAL SYMPOSIA

#### T01 - Accretionary Wedges and Melanges

T01.01	250	Olistostromes and tectonosomes in melanges of accretionary wedges	<i>Cowan Darrel S., Pini Gian Andrea</i>	Aug. 26	24	09:00	15:30
T01.02	298	Transport of continental material toward the mantle at subduction zones: evidence from modern and ancient convergent margins	<i>Scholl David, Vannucchi Paola, Von Huene Roland</i>	Aug. 27	24	09:00	15:30

#### T02 - Arctic Geology

T02.01	53	Structural elements of the Arctic Ocean: geology and geophysics	<i>Drachev Sergei S., Grantz Arthur</i>	Aug. 22	9	09:00	17:00
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T03 - Carbonate Shelves

T03.01	240	Reef and carbonate platform sedimentation	<i>M'Rabet Ali, Russo Antonio, Strasser Andreas</i>	Aug. 26	12	09:00	11:45
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T03.02	287	Depositional rhythms on carbonate platforms	<i>D'Argenio Bruno, Schlager Wolfgang</i>	Aug. 27	12	09:00	11:45
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T03.03	268	Tectonic controls on the siting, evolution and demise of carbonate platforms	<i>Bosellini Alfonso, Bosence Dan</i>	Aug. 26	12	14:15	17:00
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T03.04	191	Cretaceous carbonate platform biostratigraphy, paleoecology and sedimentology	<i>Masse Jean-Pierre, Schroeder Rolf, Simone Lucia</i>	Aug. 25	12	09:00	17:00
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T04 - Catastrophes in Earth History

T04.01	302	Mass extinctions and other large ecosystem perturbations: extraterrestrial and terrestrial causes	<i>Coccioni Rodolfo, Monechi Simonetta, Rampino Michael</i>	Aug. 27	28	09:00	15:30
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T04.02	206	Late Permian-Early Triassic events	<i>Wardlaw Bruce R., Yin Hongfu</i>	Aug. 25	28	09:00	15:30
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T04.03	253	Triassic-Jurassic boundary events	<i>Hesselbo Stephen, Mc Roberts Christopher, Palfy Jozsef</i>	Aug. 26	28	09:00	15:30
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T04.04	334	K/T boundary events	<i>Habib Daniel, Premoli Silva Isabella</i>	Aug. 28	28	09:00	11:45
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T05 - CHANGES - Carbon, Hydrology and Global Environmental Systems

T05.01	220	World correlation on karst ecosystems	<i>Messana Giuseppe, Yuan Daoxian</i>	Aug. 25	23	14:15	17:00
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T05.02	156	The carbon cycle and hydrology in the paleo-terrestrial environment	<i>François Louis, Probst Jean-Luc</i>	Aug. 24	23	09:00	17:00
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T05.03	249	Continental shelves during the last glacial cycle	<i>Chiocci Francesco L., Chivas Allan R.</i>	Aug. 26	23	09:00	11:45
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T05.04	201	Drylands in the last glacial cycle	<i>Thomas David S.G., Zöller Ludwig</i>	Aug. 25	23	09:00	11:45
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T06 - Early Evolution of the Earth

T06.01	288	Early Earth systems	<i>Kramers Jan D., Rollinson Hugh</i>	Aug. 27	13	09:00	11:45
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T06.02	210	Geochemical environment of the genesis of life	<i>Galimov Erik, Owen Tobias C.</i>	Aug. 25	13	10:30	17:00
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T06.03	241	Dynamics of the Earth during Archean and Proterozoic	<i>Teixeira Wilson, Wilde Simon A.</i>	Aug. 26	13	09:00	17:00
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T06.04	314	Molar tooth structures and Precambrian carbonate facies	<i>Bourrouilh Robert, Long Darrel G.F., Meng Xianghua</i>	Aug. 27	13	14:15	17:00
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T07 - Exhumation of Orogenic Belts

T07.01	272	Climate and surface process as they relate to erosional exhumation	<i>Brandon Mark, Willett Sean</i>	Aug. 26	23	14:15	17:00
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T07.02	318	Detrital thermochronology: the sedimentary record of orogenesis	<i>Garver John I., Zattin Massimiliano</i>	Aug. 27	23	14:15	17:00
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T07.03	297	Structural and thermochronologic observations for deep exhumation	<i>Ring Uwe, Wheeler John</i>	Aug. 27	23	09:00	11:45
T07.04	331	Geodynamic models for tectonic exhumation	<i>Brandon Mark, Pysklywec Russell</i>	Aug. 28	23	09:00	11:45
<u><i>T08 - Exploration Geophysics</i></u>							
T08.01	267	New trends in reservoir characterisation	<i>Beucher H�el�ene, Doligez Brigitte</i>	Aug. 26	11	14:15	17:00
T08.04	286	Magnetotellurics	<i>Patella Domenico, Rokityansky Igor I.</i>	Aug. 27	11	09:00	17:00
<u><i>T09 - Future of Energy and Resources</i></u>							
T09.01	256	Fossil fuels	<i>Chiaramonte Mario, Terzi Luigi</i>	Aug. 26	3	10:30	17:00
T09.02	230	Petroleum systems in deep-water settings	<i>Curiale Joseph A., Sperry Steven W.</i>	Aug. 26	3	09:00	10:15
T09.04	320	Methane hydrates	<i>Avella Roberto, Masutani Stephen M., Uchida Tsutomu</i>	Aug. 28	3	09:00	11:45
T09.05	182	CO2 confinement	<i>Christensen Niels Peter, Czernichowski-Lauriol Isabelle, Persoglia Sergio</i>	Aug. 25	3	09:00	17:00
T09.06	278	Geothermal fields	<i>Gianelli Giovanni, Nielson Dennis L.</i>	Aug. 27	3	09:00	15:30
T09.07	136	Global and continental-scale mineral resources assessments	<i>Briskey Joseph A., Cassard Daniel, Lips Andor L.W.</i>	Aug. 24	3	09:00	17:00
<u><i>T10 - Geographic Information Systems (GIS)</i></u>							
T10.01	66	Synergy of GIS technology and the Earth Sciences: current state and future prospects	<i>Harmon Russell S., Mitasova Helena</i>	Aug. 22	23	09:00	11:45
T10.02	113	Parallel n-dimensional GIS	<i>Mallet Jean-Laurent, Zanchi Andrea</i>	Aug. 23	23	09:00	10:15
T10.03	87	Geology as it is: in three dimensions	<i>De Donatis Mauro, Gibbs Alan</i>	Aug. 22	23	14:15	17:00
T10.04	33	Topography and digital terrain models	<i>Pareschi Maria Teresa, Salemi Giuseppe</i>	Aug. 21	23	10:30	17:00
T10.05	21	GIS application to map production	<i>Jackson Ian, Soddu Pierluigi</i>	Aug. 21	23	09:00	10:15
<u><i>T11 - Geological Hazards: Assessment and Mitigation</i></u>							
T11.01	158	Toward an epistemic community for integrating geology, natural hazards, and cultural heritage	<i>Dobran Flavio, El-Khoury Ramy Rafik, Panza Giuliano F.</i>	Aug. 24	25	09:00	11:45
T11.02	176	Natural and anthropogenic land subsidence in populated areas	<i>Barends Frans B.J., Carbognin Laura, Gambolati Giuseppe</i>	Aug. 24	25	14:15	17:00
T11.03	203	Fractal analysis for natural hazards	<i>Cello Giuseppe, Davy Philippe, Malamud Bruce D.</i>	Aug. 25	25	09:00	11:45
T11.04	68	Interaction between volcanoes and their basement and related geological hazards	<i>Lagmay Mahar A. F. A., Tibaldi Alessandro</i>	Aug. 22	25	09:00	17:00
T11.05	57	Eruption scenarios forecasting and volcanic hazards mapping	<i>Orsi Giovanni, Siebe Grabach Claus</i>	Aug. 22	13	09:00	15:30
T11.06	221	Geochemical surveillance of volcanic and seismic active areas	<i>Allard Patrick, Valenza Mariano</i>	Aug. 25	25	14:15	17:00

T11.07	22	Paleoseismology, seismic hazard and Quaternary geological evidence for earthquake deformation and faulting	<i>Audemard Franck A., Marco Shmulik, Michetti Alessandro Maria</i>	Aug. 21	25	09:00	17:00
T11.08	332	Geological data and seismic hazard maps	<i>Michetti Alessandro Maria, Papanikolaou Ioannis D., Roberts Gerald</i>	Aug. 28	25	09:00	11:45
T11.09	299	Seismic risks in urban areas	<i>Nunziata Concettina, Triantafyllidis Petros</i>	Aug. 27	25	09:00	15:30
T11.10	11	GIS technology and statistical modeling for assessing landslide hazard and risk	<i>Carrara Alberto, Pike Richard J.</i>	Aug. 21	13	09:00	15:30
T11.11	273	Geologic and geomorphologic influence in the precipitation / runoff relationships	<i>Sayago José Manuel, Tazioli Giulio Sergio</i>	Aug. 26	25	14:15	17:00
T11.12	251	River dynamics and floodings	<i>Grant Gordon, Paris Enio</i>	Aug. 26	25	09:00	11:45
T11.13	103	Rapid moving landslide: monitoring, hazard and risk evaluations	<i>Evans Stephen G., Genevois Rinaldo</i>	Aug. 23	13	09:00	15:30
T11.14	146	Slow moving landslide: monitoring, hazard and risk evaluations	<i>Bromhead Edward Nicholas, Hermelin Michel</i>	Aug. 24	13	09:00	15:30
T11.15	115	Tsunami hazard from slope instability	<i>Lee Homa J., Tappin Dave</i>	Aug. 23	25	09:00	17:00

#### T12 - Geological Map of the World

T12.01	165	Earth imaging: modeling and databanks. A prospective for the 21st century after more than a hundred years of mapping experience	<i>Mosar Jon, Rossi Philippe</i>	Aug. 24	28	10:30	17:00
T12.02	118	Building on tradition: the joint European enterprise of the 1:5,000,000 international geological map of Europe and adjacent areas	<i>Asch Kristine, Wellmer Friedrich-Wilhelm</i>	Aug. 23	28	09:00	17:00
T12.02	161	Building on tradition: the joint European enterprise of the 1:5,000,000 international geological map of Europe and adjacent areas	<i>Asch Kristine, Wellmer Friedrich-Wilhelm</i>	Aug. 24	28	09:00	10:15
T12.03	89	Metamorphic and geodynamic evolution of the Alps: a view through the new synthetic map	<i>Cadet Jean-Paul, Gosso Guido, Oberhänsli Roland</i>	Aug. 22	28	14:15	17:00

#### T13 - Geology and Wine

T13.01	78	Terroir- the connection between geology and wine	<i>Biancotti Augusto, Cita Maria Bianca, Meinert Lawrence D.</i>	Aug. 22	24	10:30	17:00
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#### T14 - Geology of Continental Growth

T14.01	300	Precambrian and Phanerozoic crustal evolution and continental growth	<i>Jahn Bor-ming, Mahlburg Kay Suzanne, Pimentel Márcio Martins</i>	Aug. 27	26	09:00	17:00
T14.01	333	Precambrian and Phanerozoic crustal evolution and continental growth	<i>Jahn Bor-ming, Mahlburg Kay Suzanne, Pimentel Márcio Martins</i>	Aug. 28	26	09:00	11:45
T14.02	275	Tectonics of the turkic-type orogens and the geology of continental growth	<i>Sengör A. M. Celal</i>	Aug. 26	26	15:45	17:00

#### T15 - Geology of Continental Margins

T15.01	234	Margin development/sedimentary processes and controls	<i>Evans Dan, Nittrouer Charles</i>	Aug. 26	7	09:00	17:00
T15.02	225	Geo-political aspects of continental margins	<i>Haq Bilal U., Ollier Gilles</i>	Aug. 25	7	15:45	17:00
T15.03	282	Gas hydrates	<i>Collett Timothy S., Westbrook Graham K.</i>	Aug. 27	7	09:00	11:45
T15.04	323	Submarine slope instability	<i>Locat Jacques, Mienert Juergen</i>	Aug. 28	7	09:00	10:15
T15.05	336	Coral ecosystems related to fluid venting	<i>Dullo Wolf-Christian, Henriet Jean-Pierre</i>	Aug. 28	7	10:30	11:45
T15.06	312	Ultra high-resolution studies of prodelta systems	<i>Berné Serge, Trincardi Fabio</i>	Aug. 27	7	14:15	17:00

#### T16 - Geosciences for Cultural Heritage

T16.01	75	Geoarcheometry: geo-materials in cultural heritage	<i>Maggetti Marino, Messiga Bruno</i>	Aug. 22	12	10:30	17:00
T16.02	145	Deterioration and conservation	<i>Galan Huertos Emilio, de' Gennaro Maurizio</i>	Aug. 24	12	09:00	15:30
T16.03	56	Building and decorative stones	<i>Lazzarini Lorenzo, Turi Bruno</i>	Aug. 22	12	09:00	10:15
T16.04	102	Geoarcheology for climatic changes and catastrophic events in human history	<i>Cremschi Mauro, Leroy Suzanne A. G.</i>	Aug. 23	12	09:00	11:45
T16.06	10	Natural hazards and cultural heritage	<i>Canuti Paolo, Grassi Damiano, Sassa Kyoji</i>	Aug. 21	12	09:00	17:00
T16.07	126	Geoprospecting applied to archeology	<i>Jacobs Patric J.S., Mauriello Paolo</i>	Aug. 23	12	14:15	17:00

#### T17 - Geosites, Geoparks, Geotourism

T17.01	27	Geomorphological sites in a cultural integrated landscape	<i>Panizza Mario, Reynard Emmanuel</i>	Aug. 21	4	10:30	17:00
T17.02	4	Cities at risk, geotourism-geoparks, conflict of economy and ecology	<i>Eder Wolfgang F., Menduni Giovanni, Ortolani Franco</i>	Aug. 21	4	09:00	10:15
T17.03	48	Geological heritage and tourism	<i>D'Andrea Myriam, Mattig Ulrike, Pereira Joy</i>	Aug. 22	4	09:00	17:00
T17.03	94	Geological heritage and tourism	<i>D'Andrea Myriam, Mattig Ulrike, Pereira Joy</i>	Aug. 23	4	09:00	11:45
T17.04	123	Geology - maker of cultural and geological heritage: geosites under threat	<i>Wimbledon William A.P., Zarlenga Francesco</i>	Aug. 23	4	14:15	17:00
T17.04	137	Geology - maker of cultural and geological heritage: geosites under threat	<i>Wimbledon William A.P., Zarlenga Francesco</i>	Aug. 24	4	09:00	17:00
T17.05	183	Myth and geology	<i>Piccardi Luigi, Tozzi Mario</i>	Aug. 25	4	09:00	15:30

#### T18 - Geosphere-Biosphere Interactions

T18.01	315	Deep biosphere	<i>Parkes John R., Vasconcelos Crisogono</i>	Aug. 27	19	14:15	17:00
T18.02	261	Biomineralization in the Cretaceous oceans	<i>Erba Elisabetta, Jenkyns Hugh, Weissert Helmut</i>	Aug. 26	19	10:30	17:00
T18.03	294	Microbial communities as geologic agents	<i>Southam Gordon, Westall Frances</i>	Aug. 27	19	09:00	11:45
T18.04	197	Chemosynthetic communities through time	<i>Barbieri Roberto, Campbell Kathleen, Little Crispin</i>	Aug. 25	19	09:00	15:30

### T19 - Geotechnologies

T19.01	122	New insights of cathodoluminescence for geomaterials and advanced research in applied geology	<i>Barbin Vincent, Ramseyer Karl, Schvoerer Max</i>	Aug. 23	3	14:15	17:00
T19.02	93	Computerised x-ray tomography applications in geology	<i>Carlson William D., Jacobs Patric J.S.</i>	Aug. 23	3	09:00	11:45

### T20 - History of Geosciences

T20.01	274	Origin of modern geology in Italy	<i>Caldwell Glen W.E., Vai Gian Battista</i>	Aug. 26	27	14:15	17:00
T20.02	301	Institutions, museums and scientific societies in the history of geosciences	<i>Morello Nicoletta, Oldroyd David R.</i>	Aug. 27	27	09:00	17:00

### T21 - Hominin Evolution across Environmental Changes

T21.01	7	Hominin evolution across environmental changes	<i>Feibel Craig S., Howell Clark F., Rook Lorenzo</i>	Aug. 21	8	09:00	17:00
T21.01	52	Hominin evolution across environmental changes	<i>Feibel Craig S., Howell Clark F., Rook Lorenzo</i>	Aug. 22	8	09:00	10:15

### T22 - Management and Application of Geoscience Information

T22.01	269	National / international geological map databases	<i>Grunsky Eric, Nehlig Pierre</i>	Aug. 26	14	14:15	17:00
T22.02	327	Examples of innovative geoscience information delivery	<i>Broome John, Jackson Ian</i>	Aug. 28	14	09:00	11:45
T22.03	289	Dictionaries, standards and technologies for geoscience data management and delivery	<i>Asch Kristine, Giles Jeremy</i>	Aug. 27	14	09:00	17:00

### T23 - Medical Geology

T23.01	306	The effects of natural environments on the health of humans and animals	<i>Bobrowsky Peter T., Selinus Olle</i>	Aug. 27	10	10:30	17:00
T23.02	325	Fibrous structure and health effects: asbestos from an occupational to an environmental hazard	<i>Fubini Bice, Guthrie George D., Verdel Uberto</i>	Aug. 28	10	09:00	11:45

### T24 - Mineral Growth Kinetics and Induced Stress

T24.01	311	Mineral reactions in rocks: induced stress and pattern formation	<i>Connolly James, Merino Enrique, Rubbo Marco</i>	Aug. 27	5	14:15	17:00
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### T25 - New Geophysical Techniques for Geological Applications

T25.01	175	Very high resolution seismics	<i>Green Alan G., Zanzi Luigi</i>	Aug. 24	24	14:15	17:00
T25.02	212	Seafloor imaging	<i>Cormier Marie-Hélène, Urgeles Esclasans Roger</i>	Aug. 25	24	10:30	17:00
T25.03	131	Ground-penetrating radar	<i>Pipan Michele, Sato Motoyuki</i>	Aug. 23	24	14:15	17:00
T25.04	202	Rock physics versus lithology	<i>Busetti Martina, Pezard Phillippe A.</i>	Aug. 25	24	09:00	10:15

### T26 - Ocean Drilling Program (ODP)

T26.01	322	Recent results from ODP cruises	<i>Petrizzo Maria Rose, Tartarotti Paola</i>	Aug. 28	5	09:00	11:45
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T27 - Ophiolites and Oceanic Lithosphere

T27.01	76	Igneous petrogenesis of ophiolites	<i>Flower Martin F.J., Pearce Julian</i>	Aug. 22	15	10:30	17:00
T27.02	105	Melt and fluid flow in evolution of oceanic lithosphere	<i>Bodinier Jean-Louis, Rampone Elisabetta, Scambelluri Marco</i>	Aug. 23	15	09:00	11:45
T27.03	58	Emplacement tectonics of ophiolites: structures and processes	<i>Lagabrielle Yves, Marroni Michele</i>	Aug. 22	15	09:00	10:15
T27.04	13	Ophiolites and suture zones of the Tethysides	<i>Bortolotti Valerio, Dilek Yildirim</i>	Aug. 21	15	09:00	17:00
T27.05	127	Record of oceanic rocks in Precambrian and Early Phanerozoic times	<i>Moore Eldridge M., Spadea Piera</i>	Aug. 23	15	14:15	17:00
T27.06	148	Ophiolites of the Circum-Pacific orogenic belts	<i>Bloomer Sherman H., Ogawa Yujiro</i>	Aug. 24	15	09:00	11:45

T28 - Ovidius Symposium: Past and Present Global Change

T28.01	316	Past and present global change: changes, shifts and metamorphoses	<i>Mörner Nils Axel, Wezel Forese Carlo</i>	Aug. 27	21	14:15	17:00
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T29 - Paleoclimatology and Paleoceanography

T29.01	70	Cenozoic antarctic glacial history	<i>Barrett Peter, Florindo Fabio</i>	Aug. 22	27	09:00	17:00
T29.02	160	Sapropels and black shales	<i>Meyers Philip A., Negri Alessandra</i>	Aug. 24	27	09:00	11:45
T29.03	117	Middle to late Miocene changes in the ocean-climate system	<i>Hilgen Frits J., Zachariasse Willem-Jan</i>	Aug. 23	27	09:00	10:15
T29.04	178	Carbon burial events and rapid global changes	<i>Damste Jaap S. Sinninghe, Kuhnt Wolfgang, Wagner Thomas</i>	Aug. 24	27	14:15	17:00
T29.06	222	Magnetic evidence of climate change on millennial to Milankovitch time scale	<i>Kent Dennis V., Lanci Luca</i>	Aug. 25	27	14:15	15:30
T29.07	24	Marine isotope stage 11 - an equivalent to the Holocene?	<i>Loutre Marie-France, Prokopenko Alexander</i>	Aug. 21	27	09:00	11:45
T29.08	227	Non-orbital climate changes in the Pleistocene	<i>Haldorsen Sylvi, Momade Fatima J.</i>	Aug. 25	27	15:45	17:00
T29.09	43	Early-Middle Pleistocene transition	<i>Gibbard Philip L., van Kolfschoten Thijs</i>	Aug. 21	27	14:15	17:00
T29.10	121	Cretaceous Oceanic Red Beds (CORB): response to paleoclimatic / paleoceanographical global changes, and regional tectonics	<i>Jansa Luba F., Sarti Massimo, Wang Chengshan</i>	Aug. 23	27	10:30	17:00
T29.11	205	Late Paleozoic glacial events and postglacial transgressions in Gondwana	<i>Buatois Luis A., López-Gamundí Oscar</i>	Aug. 25	27	09:00	11:45

T30 - Peatlands and Lakes

T30.01	254	Peatlands: basin evolution and depository of records on global environmental and climatic changes	<i>Barbante Carlo, Martinez Cortizas Antonio, Martini Peter I.</i>	Aug. 26	29	09:00	17:00
T30.02	303	Geological and environmental evolution of Alpine-Type lakes	<i>Bernasconi Stefano, Vezzoli Luigina</i>	Aug. 27	29	09:00	10:15

### T31 - Precambrian and Paleozoic Orogenies

T31.01	284	Tectonics of Precambrian mobile belts	<i>Pedrosa Soares Antônio Carlos, Trouw Rudolph A. J.</i>	Aug. 27	9	09:00	17:00
T31.02	188	The evolution of Rodinia: Mesoproterozoic assembly and Neoproterozoic breakup	<i>Bogdanova Svetlana, Kampunzu Ali Basira Henri, Li Zheng Xiang</i>	Aug. 25	9	09:00	17:00
T31.03	324	Neoproterozoic to Early Paleozoic orogenic processes at the northern margin of Gondwana (Avalonian-Cadomian orogenic belt)	<i>Linnemann Ulf, Zulauf Gernold</i>	Aug. 28	9	09:00	11:45
T31.04	236	Structural, metamorphic and magmatic evolution of the Hercynian belt	<i>Boriani Attilio, Faure Michel, Gaggero Laura</i>	Aug. 26	9	09:00	15:30

### T32 - Remote Sensing

T32.01	247	Hyperspectral remote sensing	<i>Pareschi Maria Teresa, Pignatti Stefano, van der Meer Freek D.</i>	Aug. 26	21	09:00	10:15
T32.02	199	Application of remote sensing in geological prospecting	<i>Mazzarini Francesco, Singhroy Vernon</i>	Aug. 25	21	09:00	17:00
T32.03	296	Applications of remote sensing to geological mapping	<i>Keller Randy G., Marsh Stuart</i>	Aug. 27	21	09:00	11:45
T32.04	262	Remote sensing for mapping and monitoring geological hazards	<i>El-Baz Farouk, Riad Samir</i>	Aug. 26	21	10:30	17:00

### T33 - Rock alteration

T33.01	326	Rock alteration and weathering products	<i>Formoso Milton Luiz Laquintinie, Vasconcelos Paulo</i>	Aug. 28	11	09:00	11:45
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### T34 - Sea-Level Changes

T34.01	26	Sea level during the last interglacial	<i>Antonioli Fabrizio, Lambeck Kurt</i>	Aug. 21	29	09:00	15:30
T34.02	72	Sea-level change since the last glacial maximum	<i>Hanebuth Till J.J., Yim Wyss W.S.</i>	Aug. 22	29	09:00	15:30
T34.03	119	Dating Caspian sea-level change	<i>Kasimov Nikolay S., Kroonenberg Salomon B.</i>	Aug. 23	29	09:00	11:45

### T35 - Sequence Stratigraphy

T35.01	25	Sequence stratigraphy of continental and coastal deposits	<i>Amorosi Alessandro, Gibling Martin R.</i>	Aug. 21	28	09:00	17:00
T35.02	71	Sequence stratigraphy in deep-marine settings	<i>Abreu Vitor, Bruhn Carlos, Nummedal Dag</i>	Aug. 22	28	09:00	11:45

### T36 - Ultra-High Pressure Metamorphism (UHPM): from the Nano Scale to the Plate Tectonics Scale

T36.01	153	UHPM: minerals and microstructures	<i>Enami Masaki, Green Harry W. II, van Roermund Herman L.M.</i>	Aug. 24	20	09:00	17:00
T36.02	63	UHPM: Geochronology	<i>Duchene Stéphanie, Hacker Bradley R., Rubatto Daniela</i>	Aug. 22	20	09:00	11:45
T36.03	84	UHPM: Fluid-rock interaction	<i>Frezzotti Maria Luce, Philippot Pascal, Touret Jacques</i>	Aug. 22	20	14:15	17:00

T36.04	18	UHPM: General petrology and geothermobarometry	<i>Carswell Antony D., Chopin Christian, Schertl Hans-Peter</i>	Aug. 21	20	09:00	15:30
T36.06	110	UHPM: Geodynamic modeling	<i>Engi Martin, Liou Juhn G. (Louie), Maruyama Shigenori</i>	Aug. 23	20	09:00	11:45

### T37 - Urban Geology

T37.01	36	Geosciences in the cities	<i>Funciello Renato, Heiken Grant</i>	Aug. 21	3	14:15	17:00
T37.02	47	Geosciences for underground development of cities	<i>Nardi Giuseppe, de Mulder Eduardo (Ed) F.J.</i>	Aug. 22	3	09:00	15:30
T37.03	3	Assessment of, and responses to geological hazards and risks in urban areas	<i>Marker Brian, Rosenbaum Mike</i>	Aug. 21	3	09:00	11:45

### T38 - Water Management

T38.01	187	Groundwater management in vulnerable areas	<i>Barrocu Giovanni, Custodio Emilio</i>	Aug. 25	8	09:00	17:00
T38.01	235	Groundwater management in vulnerable areas	<i>Barrocu Giovanni, Custodio Emilio</i>	Aug. 26	8	09:00	10:15
T38.02	98	Groundwater management in urban areas	<i>Howard Ken W.F.</i>	Aug. 23	8	09:00	17:00
T38.03	80	Groundwater resource problems in the Mediterranean area: quantity and quality	<i>Kloppmann Wolfram, Rimawi Omar A.</i>	Aug. 22	8	14:15	17:00
T38.05	141	Sustainable groundwater development for poverty mitigation in low-income countries	<i>Faillace Costantino, Limaye Shrikant Daji</i>	Aug. 24	8	09:00	11:45
T38.06	167	Hydrogeology of small islands and coastal aquifers	<i>Colvin Christine, Tulipano Luigi</i>	Aug. 24	8	14:15	17:00

## **GENERAL SYMPOSIA**

### G01 - Earth Interior

G01.02	166	Mantle plumes, hot spots and the geodynamics of continental rifting and break-up	<i>Achauer Ulrich, Wilson Marjorie</i>	Aug. 24	30	10:30	17:00
G01.03	208	Geophysical and petrological constraints to the modeling of the upper mantle	<i>Panza Giuliano F., Peccerillo Angelo</i>	Aug. 25	30	09:00	11:45
G01.04	255	Melting, metasomatism and metamorphic evolution in the lithospheric mantle: orogenic Iherzolites and mantle xenoliths	<i>Coltorti Massimo, Downes Hilary, Piccardo Giovanni Battista, Vissers Reinoud L. M.</i>	Aug. 26	30	09:00	17:00
G01.05	304	Mineralogical properties of Earth's mantle	<i>Ganguly Jibamitra</i>	Aug. 27	30	09:00	15:30
G01.06	120	Structure, evolution and composition of the continental mantle lithosphere: integrated models based on geophysical, geochemical and petrological studies	<i>Babuska Vladislav, Griffin William L., Jones Alan G., O'Reilly Suzanne Y., Ranalli Giorgio</i>	Aug. 23	30	09:00	17:00
G01.06	163	Structure, evolution and composition of the continental mantle lithosphere: integrated models based on geophysical, geochemical and petrological studies	<i>Babuska Vladislav, Griffin William L., Jones Alan G., O'Reilly Suzanne Y., Ranalli Giorgio</i>	Aug. 24	30	09:00	10:15
G01.07	224	Subduction zones: reconciling experimental constraints to natural records	<i>Lithgow-Bertelloni Carolina, Poli Stefano</i>	Aug. 25	30	14:15	17:00

### G02 - Engineering Geology

G02.01	9	Engineering geology related to large civil and mining engineering works	<i>Barla Giovanni Battista, Peila Daniele, Wang Sijing</i>	Aug. 21	11	09:00	11:45
G02.02	81	Progress in geotechnical classification	<i>Huang Run-qiu, Marinos Paul, Melidoro Gregorio</i>	Aug. 22	11	14:15	15:30
G02.03	40	The interplay between soil and rock mechanics and engineering geology related to stability assessment for slopes and underground works	<i>Cruden David M.</i>	Aug. 21	11	14:15	17:00
G02.04	144	Ground subsidence and collapses	<i>Cotecchia Vincenzo, Hawkins Brian A.</i>	Aug. 24	11	09:00	11:45
G02.05	168	Construction materials for large engineering works	<i>Pelizza Sebastiano, Persson Lars</i>	Aug. 24	11	14:15	17:00
G02.06	101	Site investigations, testing and monitoring in engineering geology	<i>Frasca Maria Heloisa B. O., Lollino Giorgio, Pasuto Alessandro</i>	Aug. 23	11	09:00	17:00
G02.07	55	Siting and design of critical industrial facilities/infrastructures	<i>Gürpınar Ayrbars, Serva Leonello</i>	Aug. 22	11	09:00	11:45
G02.08	90	Waste disposal industry	<i>Morfeldt Daniel</i>	Aug. 22	11	15:45	17:00

### G03 - Environmental Geology

G03.01	5	Function of soils for human societies and the environment	<i>Blum Winfried E. H., Frossard Emmanuel, Wolf Ugo</i>	Aug. 21	6	09:00	11:45
G03.02	50	Geology and desertification	<i>Maignet Monique, Motamed Ahmad</i>	Aug. 22	6	09:00	10:15
G03.03	257	Coastline changes: interrelation of climate and geologic processes	<i>Harff Jan, Hay William W., Tetzlaff Daniel M.</i>	Aug. 26	6	10:30	17:00
G03.04	96	Biogeochemical studies of the environmental impacts of mining on ground- and surface waters	<i>Dold Bernhard, Friese Kurt, Kleinmann Robert L.</i>	Aug. 23	6	09:00	11:45
G03.05	74	Water rock interaction: acid mine drainage	<i>Cidu Rosa, Fanfani Luca, Paces Tomas</i>	Aug. 22	6	10:30	17:00
G03.06	139	Contribution of mineralogy and geochemistry to understanding pollutants behavior	<i>Piantone Patrice, van Gaans Pauline F.M.</i>	Aug. 24	6	09:00	17:00
G03.08	233	Statistical and mathematical methods in land resource survey: application to environmental geochemistry	<i>Buccianti Antonella, Dubois Gregoire, Vetuschi-Zuccolini Marino</i>	Aug. 26	6	09:00	10:15
G03.09	37	The Earth surface environment: present and future. Role of the environmental metrology	<i>Fouillac Anne Marie, Plant Jane A.</i>	Aug. 21	6	14:15	17:00
G03.10	209	Geoindicators: methods and techniques for monitoring rapid geologic change	<i>Moretti Sandro, Ridgway John, Satkunas Jonas</i>	Aug. 25	6	10:30	17:00
G03.11	185	International borders – Geoenvironmental concerns	<i>Graniczny Marek, Ridgway John, Satkunas Jonas</i>	Aug. 25	6	09:00	10:15
G03.12	125	Rapid and catastrophic geological changes and societal response	<i>Berger Antony R., Leroy Suzanne A. G.</i>	Aug. 23	6	14:15	17:00

### G04 - Geochemistry

G04.01	321	Frontiers in analytical geochemistry	<i>Harmon Russell S., Hoefs Jochen, Vannucci Riccardo</i>	Aug. 28	4	09:00	11:45
G04.02	231	Li, Be, B: advances in analysis and implications for earth and environmental science	<i>Grew Edward S., Oberti Roberta</i>	Aug. 26	4	09:00	11:45

G04.03	263	Silicate melts: from laboratory to natural magma	<i>Papale Paolo, Richet Pascal</i>	Aug. 26	4	14:15	17:00
G04.04	279	Kinetics of geochemical reactions	<i>Casey William H., Zuddas Pierpaolo</i>	Aug. 27	4	09:00	11:45
G04.05	310	Organic geochemistry	<i>Farrimond Paul, Freitas Trindade Luiz Antonio</i>	Aug. 27	4	14:15	17:00

### G05 - Geodynamics

G05.01	130	Structure and evolution of oceanic lithosphere	<i>Buck W. Roger, Ligi Marco, Morgan Jason Phipps</i>	Aug. 23	22	14:15	17:00
G05.03	86	Melting and the rheology of the crust and upper mantle: what significance for geodynamics?	<i>Brown Michael, Cesare Bernardo</i>	Aug. 22	22	14:15	17:00
G05.04	32	Deep seated tectonics in subduction-collision belts: kinematics of structural and metamorphic crustal units	<i>Gosso Guido, Lardeaux Jean-Marc, Williams Paul F.</i>	Aug. 21	22	10:30	17:00
G05.05	65	From atoms to lithospheres - microstructural influence and control on dynamic processes	<i>Johnson Scott E., Prior Dave, Spiess Richard</i>	Aug. 22	22	09:00	11:45
G05.06	112	Space geodesy and plate motion	<i>Wilson Clark R., Zerbini Susanna</i>	Aug. 23	22	09:00	11:45
G05.07	248	Supercontinents in Earth's history	<i>Fuck Reinhardt Adolfo, Rogers John J.W., Yoshida Masaru</i>	Aug. 26	22	09:00	15:30
G05.08	200	Tectonics of shield areas	<i>Flecha de Alkmim Fernando, Szatmari Peter</i>	Aug. 25	22	09:00	11:45
G05.09	155	Tethys reconstruction	<i>Metcalfe Ian, Yin Hongfu</i>	Aug. 24	22	09:00	11:45
G05.10	174	Flat subduction in the Andes and related orogenic systems	<i>Mc Nulty Brendan, Ramos Victor A.</i>	Aug. 24	22	14:15	17:00
G05.11	20	Cenozoic evolution in the Mediterranean systems: constraints from paleomagnetism	<i>Speranza Fabio, Van der Voo Rob</i>	Aug. 21	22	09:00	10:15
G05.12	219	Stable continental region earthquakes	<i>Chadha Rajender Kumar, Gupta Harsh</i>	Aug. 25	22	14:15	17:00

### G06 - Geomagnetism

G06.01	308	Geomagnetic polarities and field reversals	<i>Channell Jim E.T., Roberts Andrew, Sagnotti Leonardo</i>	Aug. 27	22	10:30	11:45
G06.02	317	Secular variations in geomagnetism	<i>Duma Gerald, Meloni Antonio</i>	Aug. 27	22	14:15	17:00

### G07 - Geomorphology

G07.01	238	Geomorphologic effects of global change	<i>Goudie Andrew, Orombelli Giuseppe, Yang Xiaoping</i>	Aug. 26	11	09:00	10:15
G07.02	190	Landscape sensitivity	<i>Allison Robert J., Soldati Mauro</i>	Aug. 25	11	09:00	11:45
G07.03	239	Sustainability related to geomorphological processes and resources	<i>Cavallin Angelo, Cendrero Uceda Antonio</i>	Aug. 26	11	09:00	10:15
G07.04	259	New technologies for the analysis of landscape evolution	<i>Alcántara-Ayala Irasema, Cinque Aldo</i>	Aug. 26	11	10:30	11:45
G07.05	216	Geomorphometry and topographic analysis	<i>Dramis Francesco, Pazzaglia Frank J.</i>	Aug. 25	11	14:15	17:00

### G08 - Geoscience Education and Geoethics

G08.01	244	Earth science education for lay people: understanding our life support systems	<i>Fyfe William S., Zhang Hongren</i>	Aug. 26	17	09:00	10:15
G08.02	270	Geoscience education for sustainable development of natural resources	<i>Limaye Shrikant Daji, Macedo Arlei Benedito</i>	Aug. 26	17	14:15	17:00
G08.03	260	Geoethics I: Earth resources	<i>Fyfe William S., Nemcova Lidmila</i>	Aug. 26	17	10:30	11:45
G08.04	218	Geoethics II: other problems	<i>Komarov M. A., Nemeč Vaclav</i>	Aug. 25	17	14:15	15:30
G08.05	292	Promoting geoscience education worldwide - at school level	<i>Marques Luis, Orion Nir</i>	Aug. 27	17	09:00	15:30
G08.06	226	Promoting geoscience education worldwide - in colleges and universities	<i>Clark Ian</i>	Aug. 25	17	15:45	17:00
G08.07	329	Promoting geosciences through public outreach and communication	<i>Shankar Rajar, Stroink Ludwig</i>	Aug. 28	17	09:00	11:45

### G09 - Hydrogeology

G09.01	140	Groundwater in porous media	<i>Gaye Cheikh B.</i>	Aug. 24	7	09:00	15:30
G09.02	186	Groundwater in karst and in fractured rocks	<i>Lachassagne Patrick, Worthington Stephen</i>	Aug. 25	7	09:00	15:30
G09.03	6	Surface water and groundwater interaction	<i>Bakalowicz Michel</i>	Aug. 21	7	09:00	11:45
G09.04	51	Hydrogeological modeling for the improvement of water budget and environmental problems	<i>Giudici Mauro, de Marsily Ghislain</i>	Aug. 22	7	09:00	17:00
G09.04	97	Hydrogeological modeling for the improvement of water budget and environmental problems	<i>Giudici Mauro, de Marsily Ghislain</i>	Aug. 23	7	09:00	11:45
G09.05	38	Impact of climatic changes on groundwater resources	<i>Dragoni Walter, Sukhija Balbir Singh</i>	Aug. 21	7	14:15	17:00

### G10 - Igneous and Metamorphic Petrology

G10.01	59	From diagenesis to low grade metamorphism	<i>Arkai Peter, Goffé Bruno, Nieto García Fernando</i>	Aug. 22	16	09:00	11:45
G10.02	29	Ductile shear zones and metamorphism	<i>Schulmann Karel, Thompson Alan Bruce, Wheeler John</i>	Aug. 21	16	10:30	17:00
G10.03	14	Chaos, fractals and non-linear dynamics in rock genesis and deformation	<i>Armienti Pietro, Poli Giampiero, Turcotte Donald L.</i>	Aug. 21	16	09:00	10:15
G10.04	194	Granitoid magmatism and geodynamics	<i>Poli Giampiero, Sial Alcides Nobrega</i>	Aug. 25	16	09:00	17:00
G10.04	243	Granitoid magmatism and geodynamics	<i>Poli Giampiero, Sial Alcides Nobrega</i>	Aug. 26	16	09:00	11:45
G10.05	106	Alkaline and carbonatitic magmatism and related ore deposits	<i>Kogarko Lia Nikolaevna, Peccerillo Angelo</i>	Aug. 23	16	09:00	17:00
G10.05	149	Alkaline and carbonatitic magmatism and related ore deposits	<i>Kogarko Lia Nikolaevna, Peccerillo Angelo</i>	Aug. 24	16	09:00	11:45
G10.06	291	Cenozoic volcanism in the Mediterranean area	<i>Beccaluva Luigi, Bianchini Gianluca, Wilson Marjorie</i>	Aug. 27	16	09:00	15:30
G10.07	82	Arc magmatism and geodynamics	<i>Serri Giancarlo, Tatsumi Yoshiyuki</i>	Aug. 22	16	14:15	17:00
G10.08	170	Large igneous provinces	<i>Coffin Millard F., Dobretsov Nikolay L.</i>	Aug. 24	16	14:15	17:00

### G11 - Isotope Geochemistry

G11.01	245	Stable isotope geochemistry	<i>Cortecci Gianni, Hoefs Jochen, Longinelli Antonio</i>	Aug. 26	18	09:00	15:30
G11.02	293	Isotope geochemistry in paleoclimatological and paleoenvironmental studies	<i>Cerling Thure E., Longinelli Antonio</i>	Aug. 27	18	09:00	15:30
G11.03	151	Isotopic and chemical tracers of water-rock interaction in natural and contaminated systems	<i>Chudaev Oleg, Kharaka Yousif</i>	Aug. 24	18	09:00	11:45
G11.04	196	Application of cosmogenic nuclides to the study of Earth surface processes: the practice and the potential	<i>Bourlès Didier, Brown Erik T., Siame Lionel</i>	Aug. 25	18	09:00	15:30
G11.05	172	Decay constants for geochronology	<i>Renne Paul Randall, Villa Igor M.</i>	Aug. 24	18	14:15	17:00

### G12 - Marine Geology

G12.01	265	Gravitational transport processes in modern oceans	<i>Damuth John E., Savoye Bruno</i>	Aug. 26	8	14:15	17:00
G12.02	313	Stability of oceanic volcano slopes	<i>Lipman Peter W., Satake Kenji</i>	Aug. 27	8	14:15	15:30
G12.03	258	Submarine hydrothermalism in the Mediterranean Sea	<i>Cronan David S., Varnavas Soterios P.</i>	Aug. 26	8	10:30	11:45
G12.04	283	Hydrothermal mineralization on sedimented ridges	<i>Franklin James M., Koski Randolph A.</i>	Aug. 27	8	09:00	11:45

### G13 - Mathematical Geology

G13.01	41	Compositional data analysis: from theory to practice	<i>Burger Heinz H., Pawlowsky-Glahn Vera</i>	Aug. 21	18	14:15	17:00
G13.03	108	New applications of mathematical statistics in Earth Sciences	<i>Agterberg Frederik P., Gotway Crawford Carol A.</i>	Aug. 23	18	09:00	15:30
G13.04	61	Geographic information system for exploratory spatial data analysis	<i>Bonham-Carter Graeme F., Catani Filippo, Cheng Qiuming</i>	Aug. 22	18	09:00	11:45
G13.05	16	Understanding geology through geomathematical analysis of remote sensing data	<i>Herzfeld Ute C., Merriam Daniel F.</i>	Aug. 21	18	09:00	11:45
G13.06	83	Mathematical geology for resource exploration	<i>Koike Katsuaki, Zhao Pengda</i>	Aug. 22	18	14:15	17:00

### G14 - Mineral Deposits

G14.01	189	Mineral deposits associated with black shales	<i>Coveney Raymond M. Jr., Pašava Jan</i>	Aug. 25	10	09:00	11:45
G14.02	215	Mineral deposits and tectonics of central Asia	<i>Doebrich Jeff L., Grauch Richard I., Seltmann Reimar</i>	Aug. 25	10	14:15	17:00
G14.03	237	New developments in tin, tungsten and other rare metal deposits	<i>Seltmann Reimar, Sinclair David W., Stempok Miroslav</i>	Aug. 26	10	09:00	11:45
G14.04	266	Recent developments in marine minerals	<i>Cronan David S., Rona Peter</i>	Aug. 26	10	14:15	17:00
G14.05	8	Gold deposits in various geological environments	<i>Cook Nigel John, Kojonen Kari K., Sundblad Krister</i>	Aug. 21	10	09:00	17:00
G14.06	285	Conventional and unconventional platinum mineralizations	<i>Garuti Giorgio, Kojonen Kari K.</i>	Aug. 27	10	09:00	10:15
G14.07	54	Telluride and selenide minerals related to gold- and platinum-group element deposits	<i>Ciobanu Cristiana Liana, Paar Werner H.</i>	Aug. 22	10	09:00	17:00

G14.08	100	Mineralization associated with mafic and ultramafic igneous rocks	<i>Leshner C. Michael, Naldrett Anthony J.</i>	Aug. 23	10	09:00	17:00
G14.09	143	Metallogeny of large and super large mineral deposits	<i>Pei Rongfu, Rundqvist D. V., Valera Roberto</i>	Aug. 24	10	09:00	17:00

### G15 - Mineralogy

G15.01	39	Reacting surfaces and interfaces of minerals	<i>Aquilano Dino, Baronnet Alain</i>	Aug. 21	9	14:15	17:00
G15.02	99	Mineral thermodynamics, mineral equilibria, and PT-paths	<i>Perchuk Leonid L., van Reenen Dirk D.</i>	Aug. 23	9	09:00	15:30
G15.03	42	Crystal structures of minerals: topology and classification	<i>Pushcharovsky Dmitry Yu., Tillmanns Ekkehart</i>	Aug. 21	19	14:15	17:00
G15.04	62	Microstructures, modularity, modulations in minerals	<i>Ferraris Giovanni, Livi Kenneth</i>	Aug. 22	19	09:00	17:00
G15.05	109	Mineral engineering: from nature's lab to technologic applications	<i>Gieré Reto, Mellini Marcello</i>	Aug. 23	19	09:00	15:30
G15.06	114	Physics of minerals: mineral spectroscopy	<i>Amthauer Georges, Redhammer Günther</i>	Aug. 23	24	09:00	11:45
G15.07	152	High pressure mineralogy	<i>Ohtani Eiji, Schmidt Max W., Zanazzi Pier Francesco</i>	Aug. 24	19	09:00	15:30
G15.08	157	Natural zeolites: structure, properties and applications	<i>Alberti Alberto, Armbruster Thomas</i>	Aug. 24	24	09:00	11:45
G15.09	67	Bio-mineralogy and organic minerals	<i>Forti Paolo</i>	Aug. 22	24	09:00	10:15
G15.10	142	Gem materials	<i>Superchi Margherita, Sutherland Lin</i>	Aug. 24	9	09:00	15:30
G15.11	34	Mineral inclusions	<i>Li Zhaolin, Smirnov Sergey</i>	Aug. 21	24	10:30	17:00

### G16 - Neotectonics/Paleoseismology

G16.01	198	Neotectonics and related applications	<i>Galadini Fabrizio, Pizzi Alberto, Stewart Iain</i>	Aug. 25	20	09:00	15:30
G16.02	295	Seismicity and active tectonics	<i>Meghraoui Mustapha, Selvaggi Giulio</i>	Aug. 27	20	09:00	15:30
G16.03	246	Morphotectonics	<i>Audemard Franck A., Bartolini Carlo</i>	Aug. 26	20	09:00	11:45
G16.04	330	Geomorphic signature of large active faults	<i>Stewart Iain, Valensise Gianluca</i>	Aug. 28	20	09:00	11:45
G16.05	271	Recurrence of large earthquakes: data gathering and modeling	<i>Berryman Kelvin R., Pantosti Daniela</i>	Aug. 26	20	14:15	17:00

### G17 - Paleontology

G17.01	15	Computer techniques in the modeling and analysis of biological form, growth and evolution	<i>Reyment Richard A., Savazzi Enrico</i>	Aug. 21	17	09:00	10:15
G17.02	195	Advanced methodologies in paleontology and related fields	<i>Chiari Marco, Erba Elisabetta</i>	Aug. 25	17	09:00	10:15
G17.03	30	Paleobiodiversity and major biotic changes in Earth history	<i>Bosellini Francesca, Pillola Gian Luigi, Rosen Brian R.</i>	Aug. 21	17	10:30	17:00
G17.04	107	Environmental micropaleontology	<i>Barbieri Roberto, Hohenegger Johann, Pugliese Nevio</i>	Aug. 23	17	09:00	11:45

G17.05	60	Radiolaria and radiolarites in orogenic belts	<i>Baumgartner Peter O., Chiari Marco</i>	Aug. 22	17	09:00	10:15
G17.06	171	Invertebrate paleontology	<i>Di Geronimo Italo, Jauhri Anil Kumar, Pignatti Johannes</i>	Aug. 24	17	14:15	17:00
G17.07	150	Vertebrate paleontology	<i>Kotsakis Anastassios</i>	Aug. 24	17	09:00	11:45
G17.08	211	Fossil lagerstätten	<i>Tintori Andrea</i>	Aug. 25	17	10:30	11:45
G17.09	128	Terrestrial tetrapod ichnofacies and ichnotaxonomy	<i>Conti Maria Alessandra, Meyer Christian A.</i>	Aug. 23	17	14:15	17:00
G17.10	77	The paleobiogeographic history of the Tethys and Mediterranean: evidence from land vertebrate distribution	<i>Bernor Raymond L., Rook Lorenzo</i>	Aug. 22	17	10:30	17:00

### G18 - Planetary Geology

G18.01	305	Comparing planetary systems	<i>Baker Victor R., Ori Gian Gabriele</i>	Aug. 27	6	10:30	17:00
G18.02	281	Bipolarity in planetary structure and dynamics: Earth and Mars	<i>Blümling Peter, Pavoni Nazario</i>	Aug. 27	6	09:00	10:15

### G19 - Quaternary Geology

G19.01	335	Travertines: archives of archeology, neotectonics, and paleoclimate	<i>Minissale Angelo, Sturchio Neil C.</i>	Aug. 28	30	09:00	11:45
G19.02	44	Climate and paleoenvironmental changes during the Quaternary: palynologic evidence	<i>Bertini Adele, Suc Jean-Pierre</i>	Aug. 21	30	14:15	17:00
G19.03	73	Rates in Quaternary processes	<i>Bartolini Carlo, Nunn Patrick D., Zuchiewicz Witold</i>	Aug. 22	30	09:00	10:15
G19.04	79	Continental sequences and climatic changes	<i>Coltorti Mauro, Turner Charles</i>	Aug. 22	30	10:30	17:00

### G20 - Regional Geology

G20.01	184	Lithospheric differences between Precambrian cratons and younger orogens	<i>Guterch Alexander, Keller Randy G., Vozár Jozef</i>	Aug. 25	5	09:00	11:45
G20.03	232	Geologic evolution of North Africa	<i>Belhai Djelloul, Oujidi Mostafa</i>	Aug. 26	5	09:00	11:45
G20.04	264	Neoproterozoic evolution of the Arabian-Nubian shield	<i>Jarrar Ghaleb, Stern Robert J., Whitehouse Martin J.</i>	Aug. 26	5	14:15	17:00
G20.05	138	Geology of the Afro-Arabian triple junction	<i>Abbate Ernesto, Ghebream Woldai</i>	Aug. 24	5	09:00	10:15
G20.06	28	Geology of Caspian and Aral seas regions	<i>Bekzhanov Ginayat R., Gaetani Maurizio</i>	Aug. 21	5	10:30	17:00
G20.07	124	The Himalayas	<i>Garzanti Eduardo, Sinha Anshu K.</i>	Aug. 23	5	14:15	17:00
G20.08	164	Geology of the Mediterranean area	<i>Chalouan Ahmed, Moratti Giovanna</i>	Aug. 24	5	10:30	17:00
G20.09	280	Geodynamic evolution and magmatism of the Alpine-Carpathians-Dinaride-Balkan region	<i>Vaselli Orlando, Vozár Jozef</i>	Aug. 27	5	09:00	11:45
G20.10	49	Evolution of Alps and Apennines	<i>Compagnoni Roberto, Fantoni Roberto, Lentini Fabio</i>	Aug. 22	5	09:00	17:00
G20.10	95	Evolution of Alps and Apennines	<i>Compagnoni Roberto, Fantoni Roberto, Lentini Fabio</i>	Aug. 23	5	09:00	11:45
G20.11	214	Caribbean plate tectonics	<i>Giunta Giuseppe, Iturralde-Vinent Manuel</i>	Aug. 25	5	14:15	17:00

G20.12	17	Neogene basins of Gulf of California and California borderland	<i>Bourrouilh Robert, Gorsline Donn S., Nava Sanchez Enrique Hiparco</i>	Aug. 21	19	09:00	10:15
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G21 - Sedimentology

G21.01	169	Fluvial sedimentology 1: fluvial sediment dynamics	<i>Billi Paolo, Rinaldi Massimo, Thorne Colin</i>	Aug. 24	15	14:15	17:00
G21.02	290	Fluvial sedimentology 2: alluvial facies and architectures	<i>Blum Michael D., Marriott Susan B.</i>	Aug. 27	15	09:00	10:15
G21.03	19	Palustrine carbonates and calcretes	<i>Alonso Zarza Ana Maria, Tanner Lawrence H.</i>	Aug. 21	21	09:00	10:15
G21.04	193	Coastal and deltaic depositional systems	<i>Colella Albina, Postma George</i>	Aug. 25	15	09:00	17:00
G21.05	328	Deep-sea clastic sedimentation	<i>Ghibaudo Guido, Hesse Reinhard, Nilsen Tor H.</i>	Aug. 28	15	09:00	11:45
G21.06	64	Contourites	<i>Rebesco Michele, Viana Adriano R.</i>	Aug. 22	21	09:00	11:45
G21.08	173	Cool-water carbonates	<i>Carannante Gabriele, Pedley Martyn H.</i>	Aug. 24	21	14:15	15:30
G21.09	85	Evaporites through time and space	<i>Lugli Stefano, Schreiber Charlotte B.</i>	Aug. 22	21	14:15	17:00
G21.10	179	Dolomitization and dedolomitization	<i>Al-Hashimi Wissam S., Warren John K.</i>	Aug. 24	21	15:45	17:00
G21.11	111	Sedimentary records of catastrophic events	<i>Beck Christian, Bourrouilh-Le Jan Françoise, Gorsline Donn S.</i>	Aug. 23	21	09:00	11:45
G21.12	129	Sedimentology of volcanoclastic sediments	<i>Capaccioni Bruno, Macias Vázquez José Luis, Scott Kevin M.</i>	Aug. 23	21	14:15	17:00
G21.13	307	Coupled process-response models in sediment transport and stratigraphy	<i>Amos Carl Leonetto, Pratson Lincoln F., Syvitski James P.M.</i>	Aug. 27	15	10:30	17:00
G21.14	242	Sedimentary provenance: petrographic and geochemical perspectives	<i>Arribas Mocoeroa José, Critelli Salvatore, Johnsson Mark J.</i>	Aug. 26	15	09:00	17:00
G21.15	31	Diagenesis of clastic and carbonate sediments	<i>De Ros Luiz Fernando, Matsumoto Ryo</i>	Aug. 21	21	10:30	17:00
G21.16	154	Systematics in sedimentary petrology	<i>Nishiwaki Niichi, Weltje Gert Jan</i>	Aug. 24	21	09:00	11:45

G22 - Stratigraphy

G22.01	35	Stratigraphy and geology of volcanic areas	<i>Groppelli Gianluca, Viereck-Götte Lothar</i>	Aug. 21	26	10:30	17:00
G22.02	213	The global Ordovician Earth system	<i>Barnes Christopher, Berry William B.N., Finney Stanley</i>	Aug. 25	26	10:30	17:00
G22.03	116	High-resolution stratigraphy for the subdivision of the Devonian stages	<i>Bultynck Pierre</i>	Aug. 23	26	09:00	11:45
G22.04	132	Global correlation of the Cisuralian (Lower Permian) stages	<i>Chuvashov Boris I., Henderson Charles M.</i>	Aug. 23	26	14:15	17:00
G22.05	159	Global Permian continental biostratigraphy and biochronology	<i>Cassinis Giuseppe, Lozovsky Vladislav, Lucas Spencer G.</i>	Aug. 24	26	09:00	11:45
G22.06	204	Triassic in the Tethys realm	<i>Gaetani Maurizio, Orchard Michael J.</i>	Aug. 25	26	09:00	10:15

G22.07	177	Jurassic world (outside the park)	<i>Morton Nicol, Pavia Giulio, Smith Paul L.</i>	Aug. 24	26	14:15	17:00
G22.08	69	Cretaceous correlations and stage boundaries	<i>Gardin Silvia, Rawson Peter</i>	Aug. 22	26	09:00	11:45
G22.09	88	Paleogene correlations and chronostratigraphic standards	<i>Luterbacher Hans-Peter, Premoli Silva Isabella</i>	Aug. 22	26	14:15	17:00
G22.10	23	Neogene correlations and chronostratigraphic standards	<i>Hilgen Frits J., Raffi Isabella</i>	Aug. 21	26	09:00	10:15
G22.11	252	Pleistocene chronostratigraphic subdivision and stratigraphic boundaries in the mammalian record	<i>Ciaranfi Neri, Gibbard Philip L., Markova Anastasia</i>	Aug. 26	26	09:00	11:45

### G23 - Structural Geology

G23.01	147	Tectonics and sedimentation	<i>Cavinato Gian Paolo, DeCelles Peter</i>	Aug. 24	14	09:00	17:00
G23.01	192	Tectonics and sedimentation	<i>Cavinato Gian Paolo, DeCelles Peter</i>	Aug. 25	14	09:00	11:45
G23.02	91	Styles of continental compression: thin-skinned, thick-skinned, simple shear and pure shear	<i>Butler Robert W.H., Mazzoli Stefano</i>	Aug. 22	14	15:45	17:00
G23.02	104	Styles of continental compression: thin-skinned, thick-skinned, simple shear and pure shear	<i>Butler Robert W.H., Mazzoli Stefano</i>	Aug. 23	14	09:00	17:00
G23.03	12	Tectonic inversion processes and structural inheritance in mountain belts	<i>Butler Robert W.H., Grasso Mario, Tavarnelli Enrico</i>	Aug. 21	14	09:00	17:00
G23.04	217	Controls of continental margin structure in the formation of foreland thrust and fold belts	<i>Perez-Estaun Andres, Puchkov Viktor</i>	Aug. 25	14	14:15	17:00
G23.05	309	High strain zones: mapping, modeling and experiments	<i>Burlini Luigi, Podladchikov Yuri, Shimamoto Toshihiko</i>	Aug. 27	29	10:30	17:00

### G24 - Volcanology

G24.01	223	Rift volcanism	<i>Furman Tanya, Haldar Dhanapati, Woldegabriel Giday</i>	Aug. 25	29	14:15	17:00
G24.02	162	Physical properties and dynamics of lava flows	<i>Manga Michael, Ventura Guido</i>	Aug. 24	29	09:00	15:30
G24.03	133	Experimental volcanology	<i>Dellino Pierfrancesco, Zimanowski Bernd</i>	Aug. 23	29	14:15	17:00
G24.04	207	Quantitative and experimental approach to understand volcanic crises	<i>Dingwell Donald Bruce, Trigila Raffaello</i>	Aug. 25	29	09:00	11:45