

33rd IGC, Oslo 2008, August 6-14th.

The Science Program (with codes).

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This update is available at www.33igc.org

	Code
Themes of the Day	
Early life, evolution and survival of the fittest.....	TL
Climate change – past, present, future	TC
Geohazards.....	TG
Water and human health	TW
Mineral resources in a fast growing global economy.....	TM
The energy race	TE
Earth and beyond.....	TB
Major Geoscience Programs	
International Year of Planet Earth (IYPE).....	PE
International Science Drilling Programs (IODP, ICDP).....	SD
Satellite and Airborne Remote Sensing for GEOSS (GARS)	SR
International Lithosphere Program (ILP)	LP
International Polar Year (IPY)	PY
International Geosphere-Biosphere Program (IGBP).....	GB
Interdisciplinary Symposia (Topical)	
United Nations Convention on the Law of the Sea (UNCLOS).....	UN
Earth System Management.....	EM
Changing Climates	CC
Medical Geology	MG
Geohazards.....	GH
Geodynamics and Plate Motions.....	GD
Mathematical Geology	MA
Geoscience and Nuclear Waste Disposal	NW
CO ₂ Capture, Storage and Usage.....	CO
Gas Hydrates	GA
Ultra-High Pressure Metamorphism	UH
Regional Symposia (Special)	
Arctic, Antarctic and bi-polar relationships	AA
Africa	AF
Asia	AS
Europe	EU
Oceania	OC
Americas	AM
World Maps.....	WM
Disciplinary Symposia (General)	
Biogeosciences.....	BG
Climate, Glaciology	CG
Earth Interior, Exploration Geophysics	EI
Environmental Geoscience	EG
Geo-energy	GE
Geomorphology, Soil Science	GS
Geotechnology, Remote Sensing.....	GT
Historical Geology, Paleontology	HP
Hydrogeology	HY
Information, Education, Ethics, History	IE
Mineralogy, Petrology, Isotope Geology, Volcanology	MP
Mineral Resources	MR
Ocean Sciences	OS
Planetary Sciences, Impact Structures	PI
Sedimentology	SE
Structural Geology, Tectonics	ST
Workshops	WS
Short Courses	SC
Business and other Meetings	
Business.....	BM

PROGRAM CONTENT IN ALPHABETICAL ORDER

Code

AA	Arctic, Antarctic and bi-polar relationships (Regional Symposia)
AF	Africa (Regional Symposia)
AM	Americas (Regional Symposia)
AS	Asia (Regional Symposia)
BG	Biogeosciences (Disciplinary Symposia)
CC	Changing Climates (Interdisciplinary Symposia)
CG	Climate, Glaciology (Disciplinary Symposia)
CO	CO ₂ Capture, Storage and Usage (Interdisciplinary Symposia)
EG	Environmental Geoscience (Disciplinary Symposia)
EI	Earth Interior, Exploration Geophysics (Disciplinary Symposia)
EM	Earth System Management (Interdisciplinary Symposia)
EU	Europe (Regional Symposia)
EX	Excursions
GA	Gas Hydrates (Interdisciplinary Symposia)
GB	International Geosphere-Biosphere Program (IGBP) (Major Geoscience Programs)
GD	Geodynamics and Plate Motions (Interdisciplinary Symposia)
GE	Geo-energy (Disciplinary Symposia)
GH	Geohazards (Interdisciplinary Symposia)
GS	Geomorphology, Soil Science (Disciplinary Symposia)
GT	Geotechnology, Remote Sensing (Disciplinary Symposia)
HP	Historical Geology, Paleontology (Disciplinary Symposia)
HY	Hydrogeology (Disciplinary Symposia)
IE	Information, Education, Ethics, History (Disciplinary Symposia)
LP	International Lithosphere Program (ILP) (Major Geoscience Programs)
MA	Mathematical Geology (Interdisciplinary Symposia)
MG	Medical Geology (Interdisciplinary Symposia)
MP	Mineralogy, Petrology, Isotope Geology, Volcanology (Disciplinary Symposia)
MR	Mineral Resources (Disciplinary Symposia)
NW	Geoscience and Nuclear Waste Disposal (Interdisciplinary Symposia)
OC	Oceania (Regional Symposia)
OS	Ocean Sciences (Disciplinary Symposia)
PE	International Year of Planet Earth (IYPE) (Major Geoscience Programs)
PI	Planetary Sciences, Impact Structures (Disciplinary Symposia)
PY	International Polar Year (IPY) (Major Geoscience Programs)
SC	Short Courses
SD	International Science Drilling Programs (IODP, ICDP) (Major Geoscience Programs)
SE	Sedimentology (Disciplinary Symposia)
SR	Satellite and Airborne Remote Sensing for GEOSS (GARS) (Major Geoscience Programs)
ST	Structural Geology, Tectonics (Disciplinary Symposia)
TB	Earth and beyond (Themes of the Day)
TC	Climate change (Themes of the Day)
TE	Energy race (Themes of the Day)
TG	Geohazards (Themes of the Day)
TL	Early life (Themes of the Day)
TM	Mineral resources (Themes of the Day)
TW	Water and health (Themes of the Day)
UH	Ultra-High Pressure Metamorphism (Interdisciplinary Symposia)
UN	U.N. Convention on the Law of the Sea (UNCLOS) (Interdisciplinary Symposia)
WM	World Maps (Regional Symposia)
WS	Workshops
BM	Business meetings

Themes of the Day

Major aspects of Earth Sciences that are particularly relevant for society today will be highlighted during the 33rd IGC. Seven themes (titles preliminary) have been selected for particular emphasis. They are all related to the priorities of the International Years of Planet Earth. In parallel with the Congress symposia program, each day of the meeting will highlight one of these major themes.

Thursday 7th August

Early life, evolution and survival of the fittest TL

TLG-01 – 08 Geoscience program
 TLP-01 Plenary Lecture
 TLS-01 – 08 Societal program

Friday 8th August

Climate change – past, present, future: How large is the anthropogenic component? TC

TCG-01 – 08 Geoscience program
 TCP-01 Plenary Lecture
 TCS-01 – 08 Societal program

Saturday 9th August

Geohazards and human behaviour TG

TGG-01 – 08 Geoscience program
 TGP-01 Plenary Lecture
 TGS-01 – 08 Societal program

Monday 11th August

Water, human health and the environment TW

TWG-01 – 08 Geoscience program
 TWP-01 Plenary Lecture
 TWS-01 – 08 Societal program

Tuesday 12th August

Mineral resources in a fast growing global economy: Are there any natural limits? TM

TMG-01 – 08 Geoscience program
 TMP-01 Plenary Lecture
 TMS-01 – 08 Societal program

Wednesday 13th August

The energy race: What will be the future energy mix? TE

TEG-01 – 08 Geoscience program
 TEP-01 Plenary Lecture
 TES-01 – 08 Societal program

Thursday 14th August

Earth and beyond: What do we learn from the cosmic perspective? TB

TBG-01 – 08 Geoscience program
 TBP-01 Plenary Lecture
 TBS-01 – 08 Societal program

Major Geoscience Programs

INTERNATIONAL YEAR OF PLANET EARTH (IYPE) PE
 Topical symposia related to the IYPE are being coordinated by Ed de Mulder and Edward Derbyshire; they are convened by the theme leaders

PEC-01 **Climate Change: the 'stone tape'** *John Dodson et al.*

PED-01 **Deep Earth: from crust to core** *Sierd Cloetingh et al.*

PEE-01 **Earth and Health: building a safer environment** *Olle Selinus et al.*

PEL-01 **Earth and Life: origins of diversity** *John Talent et al.*

PEG-01 **Groundwater: reservoir for a thirsty planet** *Mary Hill et al.*

PEH-01 **Hazards: minimizing risk, maximizing awareness** *Tom Beer et al.*

PEM-01 **Megacities: going deeper, building safer** *Frauke Kraas et al.*

PEO-01 **Ocean: abyss of time** *John Chen et al.*

PER-01 **Resources and their sustainability** *Richard Sinding-Larsen et al.*

PES-01 **Soil: Earth's living skin** *Alfred Hartemink et al.*

INTERNATIONAL SCIENTIFIC DRILLING PROGRAMS (IODP, ICDP) SD

SDD-01 **Deep drilling – IODP-ICDP** *U. Harms, S. Humphris, M. Talwani*

SATELLITE AND AIRBORNE REMOTE SENSING FOR GEOSS (GARS) SR

SRE-01 **Earth observation in the Earth sciences** *José Achache, Richard Sinding-Larsen*

INTERNATIONAL POLAR YEAR (IPY) PY

PYG-01 **International Polar Year: The next steps** *Carolyn Olson et al. (IPY)*

Symposia are also planned for the following:

INTERNATIONAL LITHOSPHERE PROGRAM (ILP) LP

INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAM (IGBP) GB

Interdisciplinary Symposia (Topical)

Symposia of interdisciplinary character covering a wide spectrum of subjects that are of particular Earth Science interest today are included in this category. They range from basic geoscience, to societal issues and managerial and organizational problems.

U.N. CONVENTION ON THE LAW OF THE SEA (UNCLOS)

UN

Coordinators Harald Brekke, Martin Heinesen, Christian Marcussen

The following proposal has currently been accepted:

UNC-01 **The ultimate ocean mapping challenge - the implementation of Part VI of UNCLOS** *Ruth Jackson, Ron MacNab, Charles Morgan, Lindsay Parsons, Walter Roest, Philip A. Symonds*

EARTH SYSTEM MANAGEMENT

EM

Coordinators Joy Jacqueline Pereira, Terje Thorsnes

The following proposals have currently been accepted:

EME-01 **Human impacts on geological processes** *Kevin Telmer, Bernardino Figueiredo, Eduardo da Silva (IUGS-GEM)*

EME-02 **Role of geoscience in governance for sustainable development and human security** *Joy Jacqueline Pereira, Chen Shick Pei, Lars Persson (IUGS-GEM)*

EME-03 **Sustainable development in drylands: Geologic constraints and opportunities** *Nicholas Lancaster, David Thomas (IGCP 500)*

EME-04 **Urban geology issues for African megacities** *Theo Davies, Imasiku Nyambe, Brian Marker (IUGS-GEM)*

EME-05 **The future of marine resources** *Sven Petersen, Klaus Wallmann, James Hein, Michael Wiedecke*

EME-06 **Geoscience in ocean management** *Terje Thorsnes, H. Gary Greene, Brian J. Todd (MAREANO)*

EME-07 **Mineral extraction and protected areas – striking a balance for sustainability** *Colin Simpson, Joy Jacqueline Pereira, Lars Persson (IUGS-GEM)*

EME-08 **Earth science's role in development assistance** *Roger Swart, Erling Kvadsheim*

EME-09 **Risks, Resources, and Record of the Past on the Continental Shelf** *Francesco L. Chiocci, Lindsay Collins, Michel Michaelovitch de Mahiques, Renée Hetherington (IGCP 526)*

CHANGING CLIMATES

CC

Coordinators Jörn Thiede, Ted Moore, Barbara Wohlfarth

The following proposals have currently been accepted:

CCC-01 **Climate system: Quo vadis?** *Jörn Thiede, Matti Saarnisto, Thomas Stocker*

CCC-02 **Climatic change, geologic hazard and atmosphere–ocean relationships in tropical and sub-tropical regions** *José Manuel Sayago, Roberto Verdum*

CCC-03 **Focused fluid expulsion in hydrothermal and sedimentary systems: Mechanisms and effect on climate and biosphere** *Henrik Svensen, Øyvind Hammer, Aivo Lepland, Sverre Planke*

CCC-04 **Paleoclimate and climate modelling** *Atle Nesje, Eystein Jansen*

MEDICAL GEOLOGY

MG

Coordinators Olle Selinus, Eiliv Steinnes, Anne Kousa

The following proposals have currently been accepted:

MGH-01 **Earth and health - medical geology: In memory of Valentin Lukashev** *Olle Selinus, Eiliv Steinnes, Jane Plant, Lucy Hoareau, Ben Mapani, Robert Finkelman, Theo Davis, Catherine Skinner*

MGH-02 **Groundwater - Geopollution, contamination and health aspects** *Jonas Satkunas, Anne Kousa, Shrikant D. Limaye, Hisashi Nirei, Kunio Furuno (AGID, IUGS-GEM)*

MGH-03 **Emerging issues in geotoxicology - other aspects of medical geology** *Philip Weinstein, José Centeno*

MGH-04 **Occupational and geohazard applications of medical geology** *Edward Derbyshire*

MGH-05 **Quantitative aspects of medical mineralogy** *A. Umran Dogan, Meral Dogan*

GEOHAZARDS

GH

Coordinators Farrokh Nadim, Mary Lou Zoback

The following proposals have currently been accepted:

- GHZ-01 **Geo-risk in the 21st century** *Peter T. Bobrowsky, David Applegate, John J. Clague, Suzanne Lacasse (GSC, IUGS, INQUA)*
- GHZ-02 **Geohazards and risk studies under global environmental change** *Olav Slaymaker, Christine Embleton-Hamann, Thomas Glade, Kalle Kronholm, Kari Sletten*
- GHZ-03 **Integrated studies of tsunamis and other geohazards in coastal regions** *Lalit P. Chaudhari, Annette Kimmich, Anand G. Bhole, Andrée Blais-Stevens, Marten Geertsema, Afia Akhtar (IAPSO-CGS)*
- GHZ-04 **Earthquake hazard assessment and geotechnics** *Amir Kaynia, Michele Maugeri*
- GHZ-05 **Remote sensing and GIS technologies for geohazard monitoring** *Moutaz Dalati, Farouk El-Baz, Zaher Al Suleimani, Mikhail Mouty, David Stevens, Ahmed EL-Hassani, Fares Howari (AGA)*
- GHZ-06 **Landslide risk reduction** *Margreth Keiler, Oliver Korup, Thomas Glade, Nicola Casagli, Oddvar Kjekstad (ICL, IUGS, UNESCO, IYPE, ICG)*
- GHZ-07 **Integrating geological hazard assessment into urban planning and management** *Brian Marker, Philipp Schmidt-Thome, Mario A. Aurelio, Bhawani Shanker Paliwal (IUGS-GEM)*
- GHZ-08 **Volcano flank instability: Causes, precursors and associated hazards** *Derek Rust, Frederico Pasquare (ILP)*
- GHZ-09 **"Dark Nature Project": Natural hazards and environmental catastrophes in the late Holocene** *Suzanne Leroy, Alessandro M. Michetti, Leonello Serva (ICSU)*

GEODYNAMICS AND PLATE MOTIONS

GD

Coordinators Trond Torsvik, Irina Artemieva, Hans Thybo

The following proposals have currently been accepted:

- GDP-01 **Elevated, passive continental margins: Timing and mechanisms of uplift** *Peter Japsen, Johan M. Bonow, Anthony G. Doré, Jörg Ebbing*
- GDP-02 **Paleo- to Mesoproterozoic crustal evolution and continental growth** *David Corrigan, Sally Pehrsson, Karl-Inge Åhäll, Stephen Reddy (IGCP 509)*
- GDP-03 **Towards a common reference frame for plate motions and mantle dynamics** *Bernhard Steinberger, Trond H. Torsvik*
- GDP-04 **Palaeozoic-Mesozoic earth geography: Palaeomagnetic, faunal and facies constraints** *Trond H. Torsvik, L. Robin Cocks, Rob Van der Voo*
- GDP-05 **Mid-ocean ridges, a major geo-bio-hydro interface** *Colin Devey et al. (InterRidge)*
- GDP-06 **Geodynamics of the convergent plate margins (Kashmir to Indonesia)** *Harsh Gupta, Rainer Kind*
- GDP-07 **Coupling lithosphere and mantle processes** *Susanne Buiter, Bernhard Steinberger*
- GDP-08 **Basin subsidence and mantle dynamics** *Sierd Cloetingh, Magdalena Scheck-Wenderoth, François Roure (ILP)*

MATHEMATICAL GEOLOGY

MA

Coordinators Richard Sinding-Larsen, Frits Agterberg

The following proposals have currently been accepted:

- MAG-01 **Mathematical morphology and its Earth science applications** *Jean Serra, Richard Sinding-Larsen*
- MAG-02 **Mathematical and statistical modelling of physical and chemical processes in the Earth sciences** *Antonella Bucciatti, Raimon Tolosana-Delgado (IAMG)*
- MAG-03 **Uncertainty in spatial prediction modeling: From natural risk to resources** *Andrea Fabbri, Chang-Jo Chung*
- MAG-04 **Scales, scaling, non-linearity and complexity in the geosciences** *Qiuming Cheng, Frits Agterberg (IAMG)*
- MAG-05 **New frontiers of mathematical geology for resources exploration** *Katsuaki Koike, Zhao Pengda, Donald Singer, Ryoichi Kouda (ISME, IAMG)*

GEOSCIENCE AND NUCLEAR WASTE DISPOSAL

NW

Coordinator Alan Geoffrey Milnes

The following proposals have currently been accepted:

- NWG-01 **Geology and disposal of nuclear waste: Global perspectives** *Steve Sparks, Leonello Serva, Frantisek Woller*
- NWG-02 **Geology and disposal of nuclear waste: Nordic approach - special aspects of the disposal in crystalline bedrock** *Lars-Olov Ericsson, Michael Stephens*
- NWG-03 **Risk assessments of geological and climate hazards applied to nuclear and hazardous waste management** *Philip Justus, Gordon Wittmeyer*

CO₂ CAPTURE, STORAGE AND USAGE

CO

The following proposals have currently been accepted:

- COC-01 **Subsurface use and storage of CO₂ - enhancing hydrocarbon production and reducing greenhouse emissions** *Niels Peter Christensen, Sergio Persoglia, Isabelle Czernichowski*
- COC-02 **New frontiers of geological sequestration of greenhouse gases** *Toshiyuki Tosha, Xue Ziqiu, Rajesh Pawar, Ryoichi Kouda*

GAS HYDRATES

GA

Coordinators Harsh Gupta, Richard Coffin

The following proposals have currently been accepted:

- GAH-01 **Gas hydrates in oceanic and permafrost environments – importance for energy, climate and geohazards** *Jürgen Mienert, C. Paull, G. Westbrook, H. Haflidason*
- GAH-02 **Causes and consequences of dissociation of gas hydrates – an environmental impact of marine gas hydrates** *Ryo Matsumoto, Charlie Paull, Martin Hovland*
- GAH-03 **Exploration and assessment of gas hydrates** *Kalachand Sain, Harsh Gupta, Richard Coffin*

ULTRA-HIGH PRESSURE METAMORPHISM

UH

The following proposals have currently been accepted:

- UHP-01 **Ultra-high pressure metamorphism and accessory phases** *Lingsen Zeng, Fulai Liu*
- UHP-02 **Collisional orogeny, ultra-high pressure metamorphism and crustal melting** *Yong-Fei Zheng, Kai Ye, Lifei Zhang*
- UHP-03 **Ultra-high pressure metamorphism: Minerals, microstructures and nanoscale observations** *Larissa Dobrzhinetskaya, Harry Green, Herman van Roermund (ILP)*
- UHP-04 **Ultra-high pressure metamorphism: Mineral reactions, geochemistry, thermobarometry and geochronology** *Simon Cuthbert, Alexey Perchuk, Hans-Peter Schertl (ILP)*
- UHP-05 **General topics of geology, tectonics and petrology of collisional orogenic belts: Implication to UHP-HP metamorphic rocks** *Jingsui Yang, Shah Wali Faryad, Godar Gaston (ILP)*
- UHP-06 **Numerical modeling of deep subduction and exhumation of UHPM fragments: Implication to Earth's interior** *Taras Gerya, Paul Tackley (ILP)*

Regional Symposia (Special)

Special symposia are dedicated to Regional Geology and are organised to include all the continents – Africa, Asia, Europe, North America, South America and Oceania. At the Oslo Congress, there will be a particular focus on the Arctic. The sessions of symposia for the different parts of the world are being prepared; listed below are the coordinators for each of the regions and the symposia.

ARCTIC, ANTARCTIC AND BI-POLAR RELATIONSHIPS

AA

Coordinated by David Gee, Jörn Thiede, Art Grantz

The following proposals have currently been accepted:

AAA-01 **Paleogeographic evolution of the Arctic region during the Phanerozoic** *Atle Mørk, Ashton Embry*

AAA-02 **Relative sea level changes in relation to the Eurasian ice sheet history** *John Inge Svendsen et al.*

AAA-03 **Arctic geodynamic evolution and paleogeography** *David Gee, Robert Scott, Art Grantz*

AAA-04 **Arctic petroleum provinces (i): Petroleum geoscience of the Barents Sea** *Vidar B. Larsen, Ørian Birkeland, Antonina Stoupakova*

AAA-05 **Arctic petroleum provinces (ii): Petroleum geoscience of Russian Arctic basins** *Aleksey E. Kontorovich, Oleg I. Suprunenko, Antonina V. Stoupakova*

AAA-06 **Arctic petroleum provinces (iii): Petroleum geoscience of the North American and Greenland basins** *Donald L. Gautier, Kai Sørensen, Kirk Osadetz*

AAA-07 **Russian-Norwegian scientific co-operation in the Barents Sea region** *Else Ormaasen, Vidar B. Larsen, Andrey Morozov, Oleg Petrov*

AAA-08 **Permafrost on a warming planet** *Jerry Brown et al. (IPA)*

AAA-09 **Glaciers and permafrost: Interaction, sediments and landforms** *Ole Humlum et al.*

AAA-10 **Arctic palaeoclimate and its extremes** *Eiliv Larsen, Martin Jakobsson, Morten Hald, Nalan Koc*

AAA-11 **Metallogeny of the Arctic region** *Tom V. Segalstad, Ingar F. Walder (IAGOD)*

AAA-12 **Arctic impact craters: Scientific challenges and economic prospects** *Henning Dypvik, Filippos Tsikalas, Galen Gislser*

AAN-01 **Antarctic geodynamic evolution and paleogeography** *G. Grikurov, G. Leitchenkov, R.P. Menot (CGMW)*

AAN-02 **Cenozoic Antarctic glacial history** *Fabio Florindo, Peter J. Barrett*

AAN-03 **Active continental margins in Antarctica** *A.J. Rudolf Trouw et al.*

AAB-01 **Arctic and Antarctic records of deglaciation since the Last Glacial Maximum: Processes, timing and causes** *Rob Larter, Dag Ottesen*

AAB-02 **Cenozoic bi-polar connections over millennia** *Ross Powell, Julie Brigham-Grette, Tim Naish, Martin Melles, Kate Moran, Jan Backman*

EUROPE

EU

Coordinated by Kai Sørensen, Dan Evans, Michael Kosinowski

The following proposals have currently been accepted:

EUR-01 **Three billion years of geological history of the Baltic Shield and its shelf** *Tamara B. Bayanova, Victor V. Balagansky*

EUR-02 **Archean greenstone belts of Fennoscandia and beyond** *Pentti Hölttä, Sergei Svetov, Adam Garde*

EUR-03 **Complex geophysical models as a tool to understand the tectonic evolution of the Archean crust of Fennoscandia** *Victor N. Glaznev, Felix P. Mitrofanov*

EUR-04 **Tectonic evolution of the lithosphere from European Precambrian Craton to Alpine system on the base of the deep geophysical data** *Aleksander Guterch, Marek Grad, G. Randy Keller*

EUR-05 **Pre-Scandian evolution of the Caledonian-Appalachian orogen** *David Roberts, Øystein Nordgulen, Aaron Yoshinobu, Carol Frost, Calvin Barnes*

EUR-06 **The North Atlantic Caledonides reviewed** *Arild Andresen, David Gee, Tony Higgins*

EUR-07 **Comparison of the Uralides and Variscides** *Andres Perez-Estaun, Philippe Matte, Victor Pushkov, Galina Savelieva*

EUR-08 **The North Atlantic Igneous Province stripped: Origin, magmatic activity, crustal processes and plate kinematics** *Morgan Ganerød, Sonia Rousse, Walter Roest*

EUR-09 **Permian basins of NW Europe** *Lars Stemmerik, Tadeusz Peryt, Ole Vejbæk, Tim Pharaoh*

EUR-10 **The Baltic Sea Basin** *Jan Harff, Svante Björck, Peer Hoth (BSG)*

EUR-11 **Active tectonics of the circum-Adriatic region** *Luigi Piccardi, Dickson Cunningham, Eutizio Vittori*

EUR-12 **Cenozoic volcanism in Europe** *Anna Ladenberger, Hillary Downes*

EUR-13 **Neogene of NW Europe: Palaeoclimate, tectonics and sedimentation** *Erik S. Rasmussen, Torsten Utescher, Dag Ottesen*

- EUR-14 **Late Cenozoic shaping of the NE Atlantic continental margins: Controls and sedimentary response** *Dan Evans, M. Stoker, J.S. Laberg*
- EUR-15 **Neogene of the Mediterranean: An “ocean laboratory”** *Gert J. De Lange, Patrizia Ziveri, John Woodside*
- EUR-16 **The Fennoscandian uplift** *Nils-Axel Mörner, Willy Fjeldskaar, Lawrence M. Cathles*
- EUR-17 **4-D topography evolution in Europe: Uplift, subsidence and sea level change (TOPO-EUROPE)** *Sierd Cloetingh, Jörg Negendank (ILP)*
- EUR-18 **Palaeogeographic and palaeotectonic development of the Mediterranean and Middle East regions** *W. Cavazza, L. Jolivet, A. H. F. Robertson*
- EUR-19 **Arc–continent collision processes in the Uralides and its modern analogues** *Dennis Brown, Chi-Yue Huang, Richard Herrington, Richard Glen*

ASIA

AS

Coordinated by Oleg Petrov, Harsh Gupta, Zhang Hongren

The following proposals have currently been accepted:

- ASI-01 **Geodynamic evolution of Asia** *Ren Jishun, Pen Qiming, M. Pubellier (CGMW)*
- ASI-02 **Geology and mineral resources of Northern and Central Eurasia** *Oleg Petrov, Dong Shuwen*
- ASI-03 **Trans EurAsian Megatransect – TEAM** *Larry Brown, Andrej Morosov*
- ASI-04 **Evolution of the Arabian-Nubian Shield and its Orogenies** *Ali Al-Mishwat, Mohamed Abdelsalam, Mengist Teklay*
- ASI-05 **Tectonics and crustal growth in Central Asia** *Boris Natal'in, Celal Şengör (IGCP 480)*
- ASI-06 **Pre-Mesozoic accretionary tectonics in Central Asia** *Wenjiao Xiao, Mikhail G. Leonov, Dmitriy V. Alexeev (ILP)*
- ASI-07 **The Himalayas and neighbouring regions** *Anshu Kumar Sinha, Richard Sinding-Larsen, J.-P. Burg*
- ASI-08 **Alpian magmatism on divergent boundaries of plate of the Caucasus** *Arif Ismayilzadeh, Nazim A. Imamverdiyev*

AFRICA

AF

Coordinated by S. Félix Toteu, Henrik Stendal

The following proposals have currently been accepted:

- AFR-01 **Pan-African orogeny in Africa and adjacent regions** *Henrik Stendal, Felix Toteu, Yves Deschamps*
- AFR-02 **Cenozoic volcanism and evolution of the African lithosphere** *Luigi Beccaluva, Marjorie Wilson, Gianluca Bianchini*
- AFR-03 **Geology of Africa and development strategies for the mining sectors of African countries** *Sospeter Muhongo, Leif Thorning, David Ovadia*
- AFR-04 **Geoscience in Africa** *S. Félix Toteu, Sospeter Muhongo, Henrik Stendal*

AMERICAS

AM

Coordinated by Carlos Oiti Berbert, Umberto Cordani, et al.

The following proposal has currently been accepted:

- AMN-01 (Symposia concerning North America in preparation.)
- AMS-01 **Basin analysis - geology and geophysics of cratonic basins and interior rifts** *Pedro Victor Zalán et al.*

OCEANIA

OC

Coordinated by Neil Williams, Ian Lambert, Des Darby

OCE-01 (Symposia being arranged.)

WORLD MAPS

WM

Coordinated by Jean-Paul Cadet, Philippe Rossi

The following proposals have currently been accepted:

- WMA-01 **Global geoscientific mapping. Problems and results** *Jean-Paul Cadet, Philippe Rossi (CGMW)*
- WMA-02 **OneGeology-Transparent Earth** *Ian Jackson, Harvey Thorleifson, John Broome, Jean-Paul Cadet (CGMW, UNESCO, IUGS, IYPE, ISCGM and ICOGS)*
- WMA-03 **Global geological and cartographical standards and classification systems for international geoscience maps** *Kristine Asch, Lars-Kristian Stölen (CGMW)*

Disciplinary Symposia (General)

The General Symposia will cover all the main Geoscience disciplines (about fifty), which have been coordinated by colleagues who are also convening a "General Contributions" symposium for their discipline. The General Symposia are organized here in related groups to allow easy navigation within the program. Of the many proposed symposia, some are identified here; others are being reviewed, coordinated and, in some cases, reformulated, and may be incorporated in the program in the coming months.

BIOGEOSCIENCES

BG

BIOGEOSCIENCE

BGB

The following proposals have currently been accepted:

BGB-01 **General contributions to biogeoscience** *Rolf Birger Pedersen*

BGB-02 **Geomicrobiology: Low-temperature alteration, mineralization, and microbial interactions** *Ingunn H. Thorseth, Crispin Little*

BGB-03 **Life of the early Earth** *Harald Furnes, Maarten de Wit, Minik Rosing*

BGB-04 **Coupled biogeochemical cycles in terrestrial environments: New insights from monitoring, ecosystem experiments and modelling** *Jan Multer*

CLIMATE, GLACIOLOGY

CG

CLIMATE CHANGE

CGC

The following proposals have currently been accepted:

CGC-01 **General contributions to climate change** *Barbara Wohlfarth, Jörn Thiede, Ted Moore*

CGC-02 **Paleoclimate during the last 60 million years** *Thomas Stocker, Matti Saarnisto, Jörn Thiede*

CGC-03 **Solar drivers of climate change and the stratigraphic record** *Bob Carter, Willie Soon*

CGC-04 **Neoproterozoic ice ages: Quo vadis?** *Graham Shields, Emmanuelle Arnaud, Galen Halverson (IGCP 512)*

CGC-05 **Sea level fluctuations: Past, present and future** *Willy Fjeldskaar, Lawrence Cathles*

CGC-06 **Late Miocene climate and Hominoid evolution** *Lothar Viebeck-Goette, Jordi Augusti*

CGC-07 **Late Palaeozoic climate on Pangaea: From icehouse to greenhouse** *Jörg Schneider, Isabel Montanez, Chris Cleal*

CGC-08 **Reconstruction of past climates based on combinations of microfossil records** *Sheila Hicks, Lena Barnekow*

CGC-09 **Glacial-interglacial vegetation dynamics** *Heikki Seppä, Karin Helmens*

CGC-10 **Response of the biosphere to global warming: Evidence from the geological past** *Richard J. Twitchett, Vivi Vajda, Gregory D. Price*

CGC-11 **Lacustrine records as archives of climate change** *James T. Teller (IYPE, INQUA)*

CGC-12 **The challenge of the Younger Dryas?** *Øyvind Paasche, Jostein Bakke*

GLACIOLOGY AND GLACIAL GEOLOGY

CGG

The following proposals have currently been accepted:

CGG-01 **General contributions to glaciology and glacial geology** *Per Holmlund, Julian Dowdeswell, Johannes Oerlemans*

CGG-02 **Subglacial environments: Processes, sediments, landforms, modelling and experiments** *Jan A. Piotrowski, Chris D. Clark, David J.A. Evans*

CGG-03 **Debris transport and deposition by glaciers** *Mike Hambrey, Neil Glasser (UCCS)*

CGG-04 **Land ice, sea level and global warming** *Johannes Oerlemans*

CGG-05 **Dynamic variability of outlet glaciers: Modern observations and inferences from the geological record** *Jon Ove Hagen*

CGG-06 **Evolution and dynamics of subglacial lakes: Water flow beneath present and past ice sheets** *Per Holmlund*

CGG-07 **Geothermal heat flow and ice dynamics** *Helgi Björnsson*

See also the program for the Arctic Special Symposia.

EARTH INTERIOR, EXPLORATION GEOPHYSICS

EI

LITHOSPHERE**EIL***10 proposals with invited conveners:*

- EIL-01 **General contributions to the lithosphere** *Irina Artemieva, Sierd Cloetingh, Alan Levander*
 EIL-02 **What is the Moho?** *D. Eaton, K. Mengel, I. Kukkonen*
 EIL-03 **What is the LAB (Lithosphere to Asthenosphere Boundary)?** *S. O'Reilly, P. Peltonen*
 EIL-04 **The continental lithosphere from geophysical and geochemical data** *I.M. Artemieva, W.F. Griffin, J. Ritsema*
 EIL-05 **The oceanic lithosphere from geophysical and geochemical data** *J.P. Morgan, D. Müller, T. Dahl-Jensen*
 EIL-06 **Seismic anisotropy and rheology of the crust and mantle** *J. Plomerova, M. Savage, V. Levin*
 EIL-07 **Potential fields - a key to geodynamics and tectonics** *A. Forte, M.K. Kaban, A. Watts*
 EIL-08 **Goelectromagnetic studies of the Earth's crust and mantle** *J. Ledo, T. Korja, I. Rokityansky*
 EIL-09 **Thermal studies of continents and oceans** *A. Nyblade*
 EIL-10 **Large-scale seismic transects** *R. Carbonell, F. Cook, P. Heikkinen*
 EIL-11 **Images of the Earth's crust** *Bruce Goleby, Randell Stephenson, Doug Finlayson (IGCP 474)*

DEEP EARTH**EID***8 proposals with invited conveners:*

- EID-01 **General contributions to deep Earth** *Hans Thybo, Shun-Ichiro Karato, Brian Kennett*
 EID-02 **The lower mantle and the core** *H.P. Bunge, M. Kendall, Eiji Ohtani*
 EID-03 **Deep Earth seismic tomography** *W. Spakman, F. Deschamps*
 EID-04 **Mantle mineralogy and rheology** *S.-I. Karato, I. Jackson*
 EID-05 **Mantle petrology** *M. Wilson, M. Coltorti, M. Gregoire, S. Arai*
 EID-06 **Mantle heterogeneity from geochemistry** *D.L. Anderson, D.J. DePaolo*
 EID-07 **Geophysical evidence for mantle heterogeneity** *R. van der Hilst, A. Levander, H. Thybo*
 EID-08 **Geodynamic implications of mantle heterogeneity** *G. Helffrich, L. Kellogg, P. Tackley*

EXPLORATION GEOPHYSICS**EIE***The following proposals have currently been accepted:*

- EIE-01 **General contributions to exploration geophysics** *Martin Landrø, Neil Williams*
 EIE-02 **Seismic imaging in petroleum exploration and production** *Nils Erik Bakke, Anders Sollid, Lars Sønneland*
 EIE-03 **Imaging below basalt** *Lasse Amundsen, Richard Hobbs*
 EIE-04 **Recent developments in geophysical methods** *Philip Mullis, Arild Haugen*
 EIE-05 **Electromagnetic petroleum exploration** *Ståle Johansen, Laust B. Pedersen*
 EIE-06 **Time lapse seismic: Monitoring fluid, stress and compaction changes** *Martin Landrø et al.*
 EIE-07 **High-resolution geophysical imaging of geological structures and processes in environmental studies** *Alan Green, Christopher Juhlin, Lars Nielsen*

GEOMAGNETISM**EIG***The following proposals have currently been accepted:*

- EIG-01 **General contributions to geomagnetism** *Leo Kristjansson, Subir Bannerjee, Neil Opdyke*
 EIG-02 **Geological sources of global magnetic anomalies as interpreted from World Digital Magnetic Anomaly Map (WDMAM)** *Juha V. Korhonen, Colin Reeves, Dhananjay Ravat*
 EIG-03 **Geomagnetic field models and palaeomagnetic data constraints** *Ian Snowball, Cathy Constable*

ENVIRONMENTAL GEOSCIENCE

EG

ENVIRONMENTAL GEOLOGY**EGG***The following proposals have currently been accepted:*

- EGG-01 **General contributions to environmental geology** *Reijo Salminen, Benedetto De Vivo*
 EGG-02 **Dryland environments** *A. Motamed, H. Chamley, E. Derbyshire*
 EGG-03 **Geological aspects of radon risk mapping, 9th symposium (GARRM 9)** *Marc De Cort, Grégoire Dubois, Britt-Marie Ek, Matej Neznal, Terje Strand, Gustav Åkerblom*

ENVIRONMENTAL GEOCHEMISTRY**EGC***The following proposals have currently been accepted:*

- EGC-01 **General contributions to environmental geochemistry** *Jane Plant, Vala Ragnarsdottir, Reijo Salminen*
- EGC-02 **Lead isotopes in environmental geochemistry** *Ola M. Sæther, Göran Åberg*
- EGC-03 **Urban geochemical mapping** *Rolf Tore Ottesen, Kaj Lax, Timo Tarvainen*
- EGC-04 **Geochemical mapping from the global to the local scale: The Arthur Darnley Symposium** *David B. Smith, Clemens Reimann, Jane A. Plant, Reijo Salminen (IUGS/IAGC Task Group on 'Global Geochemical Baselines')*
- EGC-05 **Importance of landscape age, tectonic setting, and lithology on chemical weathering rates and river geochemistry** *Berry Lyons, Russell Harmon (IAGC)*
- EGC-06 **Geochemical proxies of palaeoenvironmental change in terrestrial environments** *Ian Fairchild, Attila Demény (IAGC)*
- EGC-07 **Frontiers of stable isotope analysis for environmental science and biogeochemistry** *Martin Novak, Peter M. Wynn (IAGC)*

GEO-ENERGY**GE****GEOHERMAL ENERGY****GET***The following proposals have currently been accepted:*

- GET-01 **General contributions to geothermal energy** *Ingvar Birgir Friðleifsson, Eduardo R. Iglesias, Anette K. Mortensen*
- GET-02 **Nature of geothermal systems based on geophysical, geochemical, petrological and tectonic studies** *Agnes G. Reyes, Giovanni Gianelli*
- GET-03 **Water–rock interaction** *Halldór Ármannsson, Hélène Pauwels*
- GET-04 **New developments and technologies – Supercritical fluids, Hot Dry Rock/Enhanced Geothermal Systems, Drilling Technology** *Ladislav Rybach, Guðmundur Ómar Friðleifsson*
- GET-05 **Geothermal utilization - direct use, electrical production, heat pumps, industry and leisure** *John W. Lund, Leif Bjelm, Gordon Bloomquist*
- GET-06 **Environmental and social aspects of geothermal energy** *Kevin L. Brown, Agnes C. de Jesus*
- GET-07 **Corrosion and scaling** *Darrell L. Gallup*

COAL GEOSCIENCE**GEC***The following proposal has currently been accepted:*

- GEC-01 **General contributions to coal geoscience** *Alv Orheim, Robert B. Finkelman, Malte Jochmann*
- GEC-02 **Sedimentology and characterization of coal** *Malte Jochmann, Sverre Ola Johnsen*
- GEC-03 **Underground gasification of coal** *Alv Orheim, Björn Berger*
- GEC-04 **Solutions to environmental and health impacts of coal** *Robert B. Finkelman, Jose Centeno*

PETROLEUM GEOSCIENCE**GEP***The following proposals have currently been accepted:*

- GEP-01 **General contributions to petroleum geoscience** *Anthony Spencer, Philip Allen, Snorre Olaussen*
- GEP-02 **Maximising the value of fossil energy and mineral resources** *UN Economic Commission for Europe, Per Blystad*
- GEP-03 **Geological basis for estimating the world's petroleum resources: Challenges and uncertainties** *Paul Nadeau, Donald L. Gautier*
- GEP-04 **Hydrocarbon resource assessment methodology in a complex architectural context** *Richard Sinding-Larsen, Karl Johann Skaar*
- GEP-05 **North Sea petroleum geoscience** *Sigrid Borthen Toven, Andrew Hurst, Ragnar Knarud*
- GEP-06 **North Sea Chalk reservoirs. From regional understanding to reservoir level** *Gunnar V. Sjøiland, Peter Frykman*
- GEP-07 **Petroleum geoscience on the frontier to mature basins of the Atlantic margins from Norway to Ireland** *Kari Lokna, Dave Ellis, Mark Seger*
- GEP-08 **Hydrocarbon potential of frontier sedimentary basins; the challenges of unknown deep water and high latitude basins** *David Roberts, A.G. Doré*
- GEP-09 **Linking petroleum systems and plays to sedimentary basin evolution** *Harry Doust, Maarten Corver, Morten Rye-Larsen*
- GEP-10 **Global controls on sequence stratigraphy** *Peter Sharland, Ken Miller*
- GEP-11 **Palaeogeography and palaeo-Earth systems modelling: New approaches to reducing exploration risk** *Jim Harris, Les Leith, Arne Rasmussen*

- GEP-12 **Organic-rich marine sediments: Palaeoclimatic records from anoxic oceans linked to process-based modelling of petroleum source rocks** *Thomas Wagner, Philip A. Meyers, Ute Mann*
- GEP-13 **Abiotic deep origin of hydrocarbons: Myth or reality?** *Yuri Galant, Vladimir Kutcherov*
- GEP-14 **Serpentinization and related processes - their relevance to hydrocarbon exploration** *Martin Hovland, Stan Keith, Odleiv Olesen, Monte Swan*
- GEP-15 **Geology for efficient hydrocarbon recovery** *Lars-Magnus Fält, Marie Kjølleberg*
- GEP-16 **Improved understanding of the clastic reservoirs through the use of new technologies** *Sissel H. Eriksen, Trond Lien*
- GEP-17 **Unconventional gas – coalbed, shale, and tight gas-sands gases** *Romeo Flores, Rich Pollastro*
- GEP-18 **Compaction processes – porosity, permeability and rock properties evolution in sedimentary basins - Tribute to Knut Bjørlykke** *Per Aagaard, Jen Jahren, Paul H. Nadeau, Per Arne Bjørkum*
- GEP-19 **Carbonate reservoirs and plays** *Tore Amund Svånå, Joanna Garland*
- GEP-20 **Outcrop studies: Fundamental to petroleum reservoir characterization and modeling** *Ernest A. Mancini, Jim Blankenship (AAPG)*
- GEP-21 **Integration in petroleum geoscience - applications, knowledge and information management - the cornerstones in the demand for fast results** *Peter Eilsø Nielsen, Liv K. Mæland*
- GEP-22 **Earth observation technology and its use in the oil industry** *Pierre-Philippe Mathieu, S. Coulson, B. Sæther, R. Sinding-Larsen (ESA)*
- GEP-23 **Tar sand, heavy oil, and oil shale resources of the world** *Chris J. Schenk, Ronald C. Johnson*

GEOMORPHOLOGY, SOIL SCIENCE

GS

GEOMORPHOLOGY

GSM

The following proposals have currently been accepted:

GSM-01 **General contributions to geomorphology** *Ole Humlum, Monique Fort*

GSM-02 **Geomorphology and landscape response to global change** *Xiaoping Yang, Andrew Goudie, Monique Fort (IAG)*

SOIL SCIENCE

GSS

The following proposals have currently been accepted:

GSS-01 **General contributions to soil science**

GSS-02 **Extreme geological events viewed in soils and paleosols** *Marie-Agnès Courty et al.*

GEOTECHNOLOGY, REMOTE SENSING

GT

ENGINEERING GEOLOGY AND GEOTECHNICS

GTE

The following proposals have currently been accepted:

GTE-01 **General contributions to engineering geology and geotechnics** *Roger Olsson, Amir Kaynia, Claudio Margottini*

GTE-02 **New ways of geotechnical engineering for reinforcing natural soils at construction** *V.I. Osipov, S.D. Filimonov, L.M. Rogachevskaya*

GEOMECHANICS

GTM

The following proposals have currently been accepted:

GTM-01 **General contributions to geomechanics** *Fabrice Cuisiat, Anne Skjærstein*

GTM-02 **Integrated geophysics-geomechanics** *Anne Skjærstein, Erling Fjær*

NEW METHODS AND TECHNOLOGIES

GTN

The following proposals have currently been accepted:

GTN-01 **General contributions to new methods and technologies** *Jean-Jacques Royer, Andrea G. Fabbri*

GTN-02 **Non-destructive methods of investigation in petrology and sedimentology** *Patrik Jacobs, W. Carlson, R. Ketchow*

GTN-03 **Virtual geological observatories in 4D** *R. Dietmar Müller, Mike Gurnis, Trond H. Torsvik*

GTN-04 **Visualization and innovative techniques in geosciences** *Jean-Jacques Royer, Qiuming Cheng*

GTN-05 **Future trends in 3D and 4D modeling in geosciences** *G. Caumon, Don Medwedeff*

GTN-06 **Nanogeoscience** *Suzanne McEnroe*

REMOTE SENSING

GTR

The following proposals have currently been accepted:

GTR-01 **General contributions to geological remote sensing** *Gerhard Bax, Freek van der Meer, Stuart H. Marsh*

GTR-02 **Geological mapping using satellite techniques** *Jean-Paul Deroin, Mohamad Khawlie, Abdoulaye Dia*

GTR-03 **Remote sensing of arctic and mountainous terrain** *Manfred Buchroithner, Gerhard Bax*

GTR-04 **Hyperspectral remote sensing and image spectroscopy** *Alvaro Crosta, Hermann Kaufmann*

GTR-05 **Microwave remote sensing** *Waldir R. Paradella, John Dehls*

HISTORICAL GEOLOGY, PALEONTOLOGY

HP

PALEONTOLOGY

HPF

The following proposals have currently been accepted:

HPF-01 **General contributions to paleontology and historical geology** *Else Marie Friis, David L. Bruton*

HPF-02 **Fossils in orogenic belts** *David L. Bruton, David A.T. Harper*

HPF-03 **Late Paleozoic marine/non-marine correlation** *Jörg Schneider, Vladimir Davydov*

HPF-04 **Radiolarians in the sedimentary record: Insights into lost oceans** *Patrick De Wever, Luis O'Dogherty, Spela Gorican*

HPF-05 **Microbial diversity during Meso-Neoproterozoic Eons** *Mukund Sharma, V.N. Sergeev*

HPF-06 **Late Variscan terrestrial biotas and palaeoenvironments** *Christopher Cleal et al. (IGCP 469)*

HPF-07 **Rise and fall of the Ediacaran (Vendian) biota** *Mikhail Fedonkin, Patricia Vickers-Rich, Jim Gehling (IGCP 493)*

HPF-08 **Devonian land–sea interaction: Evolution of ecosystems and climate** *Peter Königshof et al. (IGCP 499)*

HPF-09 **Marine and non-marine Jurassic; Global correlation and major geological events** *Jingeng Sha, Yongdong Wang, Vivi Vajda (IGCP 506)*

HPF-10 **Dawn of the Danian** *Jeffrey Stilwell, Miguel Griffin, Eckart Håkansson, Kumar Ayyasami (IGCP 522)*

HPF-11 **Proterozoic microfossil assemblages and refinement in Proterozoic biostratigraphy** *Andrew H. Knoll, Vladimir N. Sergeev, Mukund Sharma*

HPF-12 **Environmental micropaleontology: Past, Present, future** *Valentina Yanko-Hombach, Ronald Martin (ISEMMM)*

HPF-13 **Major events in the evolution of marine biota** *David Harper, Rong Jiayu*

HPF-14 **Major events in the evolution of terrestrial biota** *Zhou Zhonghe, Steve McLoughlin*

HPF-15 **Mining the fossil record through geoinformatics** *Anthony D. Barnosky, Marc A. Carrasco*

HPF-16 **Correlation between the marine and terrestrial realms: Problems, solutions, applications** *Karen Dybkjær, Sofie Lindström*

QUATERNARY GEOLOGY

HPQ

The following proposals have currently been accepted:

HPQ-01 **General contributions to Quaternary geology** *Kurt Kjær*

HPQ-02 **Black Sea–Mediterranean Corridor during last 30 ky: Sea level change and human adaptation** *Valentina Yanko-Hombach, Yucel Yilmaz, Pavel Dolukhanov (IGCP 521)*

HPQ-03 **Holocene and Present-day sediment budgets in cold environments** *Achim A. Beylich, Scott Lamoureux*

HPQ-04 **Quaternary palaeo-ice streams of the northern and southern hemisphere** *Dag Ottesen, Chris Clark, Atle Nygård*

PRECAMBRIAN GEOLOGY

HPP

The following proposals have currently been accepted:

HPP-01 **General contributions to Precambrian geology** *Raimo Lahtinen, S. Wilde, J. Percival*

HPP-02 **Precambrian ophiolites and related rocks** *P. Peltonen, T. Kusky*

HPP-03 **The first billion years of crustal evolution** *Balz S. Kamber, Martin J. Whitehouse*

HPP-04 **From Rodinia to Nuna and beyond: Precambrian supercontinent reconstructions delving deeper in time** *Svetlana Bogdanova, David Evans, Mauro Cesar Geraldes, Hervé Théveniaut (IGCP 440 and IGCP 509)*

HPP-05 **Evolution of Archean crust** *Yildirim Dilek, Harald Furnes, Maarten de Wit*

HPP-06 **The evolving Earth system through Archean–Palaeoproterozoic transition** *Victor A. Melezhik, David A.D. Evans, Ariel Anbar (IGCP509, ICDP FAR-DEEP, Kaapvaal Drilling Project, ABDP)*

HPP-07 **Late Neoproterozoic orogenic belts and assembly of Gondwana** *Bernard Bingen, Joachim Jacobs, Alan S. Collins, Giulio Viola, Mark A. Smethurst, Daud Jamal*

STRATIGRAPHY

HPS

The following proposals have currently been accepted:

- HPS-01 **General contributions to stratigraphy** Alexey S. Tesakov, Geir Birger Larssen
 HPS-02 **Accuracy in fossil zonation** David L. Bruton, J. Fredrik Bockelie (withdrawn)
 HPS-03 **Magnetic stratigraphy: The template for the construction of geologic time scales** Fabio Speranza, Fabio Florindo
 HPS-04 **Correlation of Devonian terrestrial, neritic and pelagic strata** Thomas Becker et al. (ICS)
 HPS-05 **Recent developments in the Geologic Timescale** Felix M. Gradstein, James G. Ogg, Mike Villeneuve (ICS)
 HPS-06 **Milestones in stratigraphy** Stan Finney, Felix M. Gradstein (ICS)
 HPS-07 **Pliocene-Pleistocene correlations and global change** Maria Bianca Cita, Brad Pillans (ICS, INQUA)
 HPS-08 **Oligocene Series: A time of change in earth and life history** Yuri Gladenkov, Noël Vandenberghe (ICS, ISPS)
 HPS-09 **Stratigraphic correlation of Neoproterozoic strata** James Gehling, Shuhai Xiao, Graham Shields (Neoproterozoic Subcommission)
 HPS-10 **Stratigraphic subdivisions of the Cretaceous System: State of the art** Isabella Premoli Silva, Finn Surlyk, I. Walaszczyk (IUGS Subcommission on Cretaceous Stratigraphy of ICS)
 HPS-11 **The EARTHTIME project** S.A. Bowring, T.H. Torsvik, Klaudia Kuiper

HYDROGEOLOGY

HY

HYDROGEOLOGY

HYH

The following proposals have currently been accepted:

- HYH-01 **General contributions to hydrogeology** Karsten H. Jensen, Leonard Konikow
 HYH-02 **Groundwater resources and management** Jan Øvstedal, Afia Akhtar, Paliwal Bhawani Shanker (AGID)
 HYH-03 **European approaches to management and monitoring of groundwater in hard rock aquifers** Lars-Ove Lång, António Chambel
 HYH-04 **Groundwater and engineering geology in bedrock** David Banks, Bo Olofsson
 HYH-05 **Hydrogeological aspects of Quaternary geology and climate change** Sylvi Hardorsen, Ola Sæther
 HYH-06 **Groundwater development - experiences in low-income countries and from developmental aid and disaster areas** Kim Rudolph-Lund, Costantino Faillace (UNESCO-IUGS-IGCP 523)
 HYH-07 **Groundwater flow and water-rock interaction in compact fractured rocks: Storage of nuclear waste, field evidence and mathematical models** Tomas Paces, Gert Knutsson, Peter Wikberg
 HYH-08 **Management of coastal aquifers** Giovanni Barrocu, Shrikant D. Limaye (AGID)
 HYH-09 **International perspectives on karst aquifers and water resources** Chris Groves, Yuan Daoxian, Bartolome Andreo-Navarro, Heather Viles (UNESCO-IUGS-IGCP 513)
 HYH-10 **Hydrogeology of Hindu-Kush Himalayas** Ritesh Arya, D.K. Chadha

INFORMATION, EDUCATION, ETHICS, HISTORY

IE

GEOSCIENCE INFORMATION

IEI

The following proposals have currently been accepted:

- IEI-01 **General contributions to geoscience information** Ian Jackson, John Broome, Udo Strauss, Robert Tomas (CGI, IAMG, GIC)
Data capture and acquisition Coordinator: Guy Buller
 IEI-02 **Advances in digital data capture in geological mapping** Guy Buller, Colm Jordan
 IEI-03 **The increasing contribution and opportunities presented by remotely sensed data: Geophysics, digital elevation data, and sensor networks** Eric Grunsky, Tom Cudahy
 IEI-04 **Putting new life into old data – digital conversion and exploitation of paper records** Mary Carter, Jørgen Tulstrup
Information management Coordinator: John Broome
 IEI-05 **If you can't find the data, why bother collecting and keeping it? - the importance of good metadata** Per Ryghaug, Jerry Giles
 IEI-06 **Data models and architectures** Boyan Broderic, John Laxton
 IEI-07 **Interoperability and exchange formats – developments in XML, GML, GeoSciML, OGC, ISO and other standards** Simon Cox, Lars-Kristian Stølen
 IEI-08 **What should we call that rock? – the critical role of thesauri, vocabularies, ontologies and dictionaries in digital systems** Peter Davenport, Clinton Smyth

- IEI-09 **Spatial data infrastructures and strategies for geoscience information** *François Robidas, Jan Kooijman*
- IEI-10 **Looking after the ground truth – the problems and opportunities in managing physical collections (paper records, core and fossils etc)** *Mike Howe*
- IEI-11 **Managing the transition from map making to database building** *Dave Soller, Staffan Zetterlund*
Information dissemination and delivery Coordinator: *Ian Jackson*
- IEI-12 **Geological maps in the digital era: Quo Vadis?** *Kristine Asch, Koji Wakita*
- IEI-13 **Uncertainty in GIS and 3D modelling – approaches to quantify and represent error in interpreted digital datasets** *Gina Ross, Alan Willocks*
- IEI-14 **Decision support systems: best practice in using GIS and geoscience data to help society's problems** *Robert Tomas, Bobo Nordahl*
- IEI-15 **Accessing and sharing geoscience information: the problems and issues of disseminating geoscience data in a digital era (including digital rights management, licensing, IPR, copyright, public sector data for free or a fee, and liability)** *Ian Jackson, Jarmo Kohonen*
- IEI-16 **Dynamic delivery of information: harnessing the real time power of the internet** *John Broome, Bernhard Wagner*
- IEI-17 **Geoscience information for the developing world** *Anna-Karren Nguno, Max Fernandez*
Information technology and systems Coordinator: *Udo Strauss*
- IEI-18 **How much more space and speed will we need? – issues relating to the current and future provision of digital storage and network performance** *Ian Ainslie, Sten Troelstrup*
- IEI-19 **Digital standards, security and authentication of web-based database** *Ryoichi Kouda, Udo Strauss*
- IEI-20 **Free and open-source geospatial software: applications in Earth Sciences and recent development** *Henning Lorenz, Markus Neteler*
- IEI-21 **The application of high performance computing, GRID and simulation technology in geoscience** *Rob Woodcock, Louis Moresi*
- 3 and 4D modelling and visualisation Coordinator: *Andy Howard*
- IEI-22 **From 2D to 3D – moving geological surveys from a mapping to modelling culture** *Andy Howard, Harvey Thorleifson*
- IEI-23 **Visualisation and immersive technologies for model presentation and virtual field reconnaissance** *Richard Berg, Andreas Kuehni, Jacques Vairon*
- IEI-24 **Multi-dimensional modelling in sparse data environments** *Eric de Kemp, Patrick Ledru*
- IEI-25 **Integrating geological and geophysical datasets for 3D modelling** *Catherine Truffert*
- IEI-26 **Short-Sharp-Share** Coordinator: *Harvey Thorleifson*

GEOARCHAEOLOGY

IEA

The following proposals have currently been accepted:

- IEA-01 **General contributions to geoarchaeology** *Tom Heldal, Magnus Hellqvist*
- IEA-02 **Geoarchaeology and geomorphology as geological constraining tools** *Stavros P. Papamarinopoulos, Filippos Tsikalas*
- IEA-03 **Geophysical and geochemical archaeology** *Oleg B. Khavroshkin, Andrey V. Zhukov*
- IEA-04 **The geoarchaeological perspective: Human interactions with the geosphere** *Lucy Wilson, Pam Dickinson, Eric Fouache (IAG Working Group on Geoarchaeology)*
- IEA-05 **Geology and cultural heritage** *Tom Heldal*
- IEA-06 **Geoarchaeology and archaeometry** *Patrick Degryse (Society for Archaeological Science, ASMOSIA)*

GEOSCIENCE EDUCATION AND ETHICS

IEE

The following proposals have currently been accepted:

- IEE-01 **General contributions to geoscience education and ethics** *Kåre Kullerud et al.*
- IEE-02 **Geoscience for schools in developing countries** *Afia Akhtar, Antony J. Reedman (AGID)*
- IEE-03 **Earth system geoscience education** *Gerald Krockover et al.*
- IEE-04 **Impact and value of geological knowledge** *Peadar McArdle, Hans Peter Schoenlaub*
- IEE-05 **Geoscience education for the 21st century** *Ian Clark, Chan-Jong Kim, Chris King (IUGS Commission on Geoscience Education, Training & Technological Transfer)*
- IEE-06 **Community service by geoscientists — “Think Globally, Act Locally”** *Grant Heiken, David Liverman (IUGS Commission on Geoscience for Environment Management)*
- IEE-07 **Geoethics** *Vaclav Nemec, Lidmila Nemcova (AGID)*
- IEE-08 **Earth sciences and the ethics of sustainable world cultures** *Paul H. Reitan, Allison R. Palmer, Kirsten Halsnæs*
- IEE-09 **Geosciences and art** *José Sellés Martínez et al.*

GEOHERITAGE AND SOCIETY

IES

The following proposals have currently been accepted:

- IES-01 **General contributions to geoheritage and society** *Sven Dahlgren, Lars Erikstad, Alexandre Sales*

- IES-02 **Earth heritage: Science, education and capacity building** *Peter Bobrowsky, Robert Missotten, Zhao Xun, Antony J. Reedman (IUGS, UNESCO, GGN, AGID)*
- IES-03 **Geosites and landscape – conservation and management strategies** *Jose Brilha, Emmanuel Reynard (ProGEO, IAG)*
- IES-04 **Geoparks and geotourism** *Chris Woodley Stuart, Jiang Janjun, Pasquale Li Puma, Afia Akhtar (EGN, AGID, GGN)*

HISTORY OF GEOSCIENCES

IEH

The following proposals have currently been accepted:

- IEH-01 **General contributions to history of geosciences** *Jens Morten Hansen, David Oldroyd (INHIGEO)*
- IEH-02 **450 years of geological reasoning on sustainability** *Jens Morten Hansen, David Oldroyd (INHIGEO)*
- IEH-03 **Myth and geology** *Luigi Piccardi, W. Bruce Masse*
- IEH-04 **Axel Fredrik Cronstedt memorial session: History of mineralogy and mineral collecting** *Jörgen Langhof et al.*
- IEH-05 **History of exploration of the polar regions** *Constance Lüdecke, Naja Mikkelsen (INHIGEO)*

MINERALOGY, PETROLOGY, ISOTOPE GEOLOGY, VOLCANOLOGY

MP

MINERALOGY

MPM

The following proposals have currently been accepted:

- MPM-01 **General contributions to mineralogy** *Kari Kojonen, Chris Stanley (IMA)*
- MPM-02 **Frontiers in quartz research: The genesis, crystal chemistry and economic importance of igneous, metamorphic and hydrothermal SiO₂-polymorphs** *Peter M. Ihlen, Rune B. Larsen, Axel Müller*
- MPM-03 **Metals in the Earth: From vital resource to environmental hazard** *David Vaughan, Dogan Paktunc, Kari Kojonen (IMA)*
- MPM-04 **Platinum-group mineralogy** *Andy McDonald, Kari Kojonen (COM)*
- MPM-05 **Kinetics and dynamics in mineral processes** *Jannick Ingrin et al. (IMA-CMP)*
- MPM-06 **Melts and glasses in mineralogy and petrology** *Daniel Neuville et al. (IMA-CMP)*
- MPM-07 **Mineral spectroscopy** *Georg Amthauer et al. (IMA-CMP)*
- MPM-08 **Neutrons and synchrotron radiation in mineralogy and material science** *Susan Schorr et al. (IMA-CMP)*
- MPM-09 **Properties and dynamics of mantle and core** *Eiji Ohtani et al. (IMA-CMP)*
- MPM-10 **Fluids and melts in the Earth's mantle: From natural observation to HT-HP experiment** *Leonid L. Perchuk, Oleg G. Safonov (IMA-WGME)*
- MPM-11 **Phase transformations and geodynamics** *Taras V. Gerya, Leonid L. Perchuk (IMA-WGME)*
- MPM-12 **New developments in microbeam techniques** *Jan Kosler, John Hanchar, Martin Whitehouse*
- MPM-13 **Inclusions in minerals** *Sergey Smirnov, Pei Ni, Matti Poutiainen (IMA-WGIM)*

IGNEOUS PETROLOGY

MPI

The following proposals have currently been accepted:

- MPI-01 **General contributions to igneous petrology** *Brian Robins, Marjorie Wilson*
- MPI-02 **Integrated perspectives on the accretion of oceanic crust** *Yildirim Dilek, Jeffrey A. Karson*
- MPI-03 **Granite classification - a never-ending problem** *Bernard Bonin, Tapani Rämö, Tom Andersen (IUGS Subcommittee of Systematics on Igneous Rocks (SSIR) and UNESCO – IGCP 510)*
- MPI-04 **Mafic dyke swarms: A global perspective** *Rajesh K. Srivastava, Wouter Bleeker, Richard Ernst*
- MPI-05 **Large Igneous Provinces: Initiation, evolution and origin** *Lothar Viereck-Goette, Sverre Planke*
- MPI-06 **Layered intrusions and the evolution of magma chambers: A tribute to J. Richard Wilson** *Christian Tegner, Bernard Charlier, Brian Robins*
- MPI-07 **Alkaline and carbonatite magmatism and related ore deposits** *Lia Kogarko, Tom Andersen, Kathryn Moore*

METAMORPHIC PETROLOGY

MPN

The following proposals have currently been accepted:

- MPN-01 **General contributions to metamorphic petrology** *William Carlson, Simon L. Harley*
- MPN-02 **Metamorphism and metamorphic processes** *Simon L. Harley, Leif Johansson, Håkon Austrheim, Erling Krogh Ravna*

MPN-03 **Mineral replacement and mass transfer in hydrothermal systems: From the nanoscale to the megascale** *Andrew Putnis, Ane K. Engvik*

MPN-04 **Geochronology of metasomatism, mineral reactions and fabric development in metamorphic rocks** *B. Bingen, F. Corfu*

MPN-05 **Earthquakes, fluids and metamorphism** *Torgeir B. Andersen, Timm John*

MPN-06 **Extreme metamorphism during the amalgamation of Gondwana: Tectonics, rates and models** *Chris Clark, Alan Collins, Renato Moraes, M. Santosh*

Sederholm Symposia on Migmatites and Granites (coordinated by Mike Brown, Olav Eklund and Peter Sorjonen-Ward):

MPN-07 **Secular change in metamorphism and crustal melting** *Mike Brown, Tony Kemp*

MPN-08 **Microstructural analysis of high-grade metamorphic rocks and implications for fluid and melt flow in the crust** *Ed Sawyer, Marion Holmes*

MPN-09 **Petrology, geochemistry, isotope geochemistry and geochronology of high grade metamorphic processes and partial melting** *Olav Eklund, Peter Sorjonen-Ward*

MPN-10 **Migmatite terranes - the role of partially molten crust in orogenic processes** *Carlo Dietl, Roberto Weinberg, Marco Elter*

MPN-11 **From migmatites to plutons: The fate of granitic magmas** *Roberto Weinberg*

GEOCHRONOLOGY AND ISOTOPE GEOLOGY

MPC

The following proposals have currently been accepted:

MPC-01 **General contributions to geochronology and isotope geology** *Robert Frey, Martin Whitehouse*

MPC-02 **Geochronology of metamorphic reactions and deformation in high-grade orogenic settings** *Jenny Andersson, Ulf Söderlund, David Cornell*

MPC-03 **Precambrian isotope chemostratigraphy** *Alcides Nobrega Sial, Claudio Gaucher, Valderez Pinto Ferreira*

MPC-04 **Constraining timing and rates of surface processes by low temperature thermochronology** *Bart W.H. Hendriks, Tim F. Redfield*

MPC-05 **Evolution of the crust and oceans through Re-Os geochemistry: A decade of discovery** *Holly Stein, Judith Hannah*

EXPERIMENTAL PETROLOGY AND MINERALOGY

MPE

The following proposals have currently been accepted:

MPE-01 **General contributions to experimental petrology and mineralogy in honour of Professor Surendra Saxena** *Guoyin Shen, Peter Lazor*

MPE-02 **Experimental petrology and the generation of plume magmas** *Gautam Sen, Christoph Hieronymus*

MPE-03 **Mineral properties and phase transformations in the Earth's interior** *Daniel Frost, Reidar G. Trønes*

MPE-04 **Planetary materials, accretion and early differentiation** *Reidar G. Trønes, Michael J. Walter*

VOLCANOLOGY

MPV

The following proposals have currently been accepted:

MPV-01 **General contributions to volcanology** *Valentin Troll, Haraldur Sigurðsson*

MPV-02 **Shallow magmatic processes** *Freysteinn Sigmundsson, Olgeir Sigmarsson*

MPV-03 **Flood basalt volcanism and stratigraphy** *Thorvaldur Thordarson, Dhanapati Haldar*

MPV-04 **Volcano-atmosphere interactions** *Haraldur Sigurðsson et al.*

MPV-05 **Volcanic eruptions: Chamber-, conduit-, and depositional processes and their implication for monitoring and hazard assessment** *Valentin Troll, Jane Chadwick*

MINERAL RESOURCES

MR

CONSTRUCTION MATERIALS

MRC

The following proposals have currently been accepted:

MRC-01 **General contributions to construction materials** *Phil Paige Green, Peer R. Neeb, Björn Schouenborg*

MRC-02 **Geology, prospecting, and land use planning of aggregate and natural stone production** *Sebastien Dupray, Atiye Tuğrul*

MRC-03 **Classification systems and testing of aggregates and available production techniques** *Ju Yong Kim, Björn Schouenborg*

MRC-04 **Mineralogical studies versus performance of the product – aggregates and natural stones** *Björn Schouenborg, Maria Heloisa Barros*

- MRC-05 **Dimension stone – assessment of stone performance in use** *Katarina Malaga, Paola Blasi*
 MRC-06 **Environmental influences and reclamation of quarrying and processing – sustainable development** *Ákos Török, Mika Räsänen*
 MRC-07 **Waste and left-over materials from dimension stone and aggregate quarries and recycling of construction materials** *Mika Räsänen, William H. Langer*

MINERAL DEPOSITS

MRD

The following proposals have currently been accepted:

- MRD-01 **General contributions to mineral deposits** *Krister Sundblad, Eiji Izawa, Milka K. de Brodtkorb*
 MRD-02 **Deep sources and signatures of ore forming systems - a tool for new discoveries of mineral deposits** *Sergei Cherkasov, Lawrence M. Cathles, Vadim I. Kazansky*
 MRD-03 **Recent developments on marine mineral deposits** *David S. Cronan, Peter A. Rona, Akira Usui*
 MRD-04 **Giant ore deposits** *Peter Laznicka, Pei Rong Fu, Mikhail Rafailovich*
 MRD-05 **Results of First Global Mineral Resource Assessment and other large-region assessment studies** *Michael Zientek, Andor Lips, Daniel Cassard, Hee-Young Chun, Sergej Cherkasov, Leon Ehlers, Eduardo Zappettini*
 MRD-06 **Granitic magmatism and related mineralizations** *Alcides Nobrega Sial, Giampiero Poli, Jorge da Silva Bettencourt*
 MRD-07 **Geology and mineral potential of CIS countries** *Oleg Petrov, Reimar Seltmann (IAGOD)*
 MRD-08 **Volcanic-hosted massive sulphide deposits: Controls on distribution and timing** *Rodney Allen, Fernando Tornos, Jan Peter, Namik Cagatay (IGCP 502)*
 MRD-09 **Au-Ag telluride-selenide deposits** *Nigel Cook, Kari Kojonen (IGCP 486, IAGOD, IMA-COM)*
 MRD-10 **Large ore provinces of Central Asia** *Ginayat R. Bekzhanov, Dmitry Puscharovsky, Bernd Lehmann (SGA)*
 MRD-11 **Metallogeny of Fennoscandia** *Felix Mitrofanov, Krister Sundblad, Pär Weihed*
 MRD-12 **Fluvial palaeo-systems: Evolution and mineral deposits** *Natalia Patyk-Kara, Alejandra Duk-Rodkin, Baohong Hou (IGCP 514)*
 MRD-13 **Ore deposits associated with black shales: from their origin to their environmental impacts** *J. Pašava, Hartwig E. Frimmel (SGA)*
 MRD-14 **Ophiolites, greenstone belts and ore deposits** *Paul T. Robinson, Yildirim Dilek*
 MRD-15 **Ni-Cu-PGE sulphide deposits** *Heikki Papunen, Anthony Naldrett (SGA)*
 MRD-16 **Iron Oxide Copper Gold deposits** *Robert Marschik, Lluís Fontboté*
 MRD-17 **Gold deposits: Reflections of their tectonic environments** *Richard Goldfarb, Jeffrey Hedenquist*
 MRD-18 **Iron deposits** *Mark Barley, Jan-Olov Nyström, Fernando Henriquez*
 MRD-19 **Uranium deposits** *Michel Cuney, Claude Caillat, Olli Äikäs*
 MRD-20 **Porphyry-type deposits** *David Cooke et al.*

OCEAN SCIENCES

OS

MARINE GEOSCIENCE & PALEOCEANOGRAPHY

OSP

The following proposals have currently been accepted:

- OSP-01 **General contributions to marine geoscience & paleoceanography** *Hafliði Hafliðason, A. Camerlemghi, J. McManus*
 OSP-02 **Marine geophysics: State-of-the-art and a look ahead - a tribute to Manik Talwani** *Olav Eldholm, Jörn Thiede*
 OSP-03 **Ocean margin and ocean island sediment mass movements and their consequences: Where? When? Why?** *Roger Urgeles, Jacques Locat, Jürgen Mienert, Anders Solheim, Vasilios Lykousis (IGCP 511)*
 OSP-04 **Contourites** *Adriano R. Viana, Michele Rebesco, Jan Sverre Laberg*
 OSP-05 **Marine geology of fjords** *Ross D. Powell, Matthias Forwick, Matthias Paetzel, Tore Vorren*
 OSP-06 **Causes of oxic-anoxic changes in Cretaceous marine and non-marine environments and their implications for Earth systems** *Chengshan Wang, Luba Jansa (IGCP 463)*
 OSP-07 **Oceanic hypoxia: Present and past** *Elisabeth Alve, Hiroshi Kitazato*
 OSP-08 **Protistan dispersal and colonization in the marine realm: Understanding the history of ocean circulation and biogeographic patterns** *Susan T. Golstein, Elisabeth Alve*

PLANETARY SCIENCES, IMPACT STRUCTURES

PI

COMPARATIVE PLANETOLOGY

PIP

The following proposals have currently been accepted:

- PIP-01 **General contributions to comparative planetology** *Henning Haack, Alfred McEwen*
 PIP-02 **The geology of Mars and Venus - recent results** *Jouko Raitala, Marko Aittola, Petri Kostama*
 PIP-03 **Volcanism in the solar system** *Alfred McEwen, Laszlo Keszthelyi*
 PIP-04 **From gas and dust to planets** *Martin Bizzarro, Thorsten Kleine*
 PIP-05 **Ice in the solar system** *Dorthe Dahl Jensen, Stephen M. Clifford*
 PIP-06 **Origin and evolution of the Moon** *Erik Asphaug*

IMPACT STRUCTURES

PIS

The following proposals have currently been accepted:

- PIS-01 **General contributions to impact structures** *Lauri Pesonen, Birger Schmitz*
 PIS-02 **Impact structures in Fennoscandia and nearby countries** *Lauri Pesonen et al.*
 PIS-03 **Environments and consequences of impacts of asteroids and comets** *Birger Schmitz, Christian Koeberl, Maurits Lindström, Jens Ormö*

SEDIMENTOLOGY

SE

SEDIMENTOLOGY

SES

The following proposals have currently been accepted:

- SES-01 **General contributions to sedimentology** *Knut Bjørlykke, Ron Steel, William Helland-Hansen*
 SES-02 **Processes in high-latitude depositional systems and basins** *Allard Martinus, Philip Ringrose*
 SES-03 **Intra-basaltic sediments and weathering horizons as monitors of climate change** *Mike Widdowson, Mohammed Rafi G. Sayyed*
 SES-04 **Organic geochemical archives of paleoenvironmental conditions in sediments of the deep and coastal ocean, lakes and rivers** *Mark Yunker, Philip A. Meyers*
 SES-05 **Dynamics of complex intracontinental basins** *Ralf Littke, Ulf Bayer, Dirk Gajewski*
 SES-06 **Foreland basins: Palaeoecology, climate, and chronostratigraphy** *Bettina Reichenbacher, Iuliana Vasilev*
 SES-07 **Dynamics of sedimentary basins** *Susanne Buiter, David Egholm*

STRUCTURAL GEOLOGY, TECTONICS

ST

TECTONICS

STT

The following proposals have currently been accepted:

- STT-01 **General contributions to tectonics and structural geology** *Hemin Koyi, Roy Gabrielsen*
 STT-02 **Structure and formation of rift basins and passive margins from surface to depth: Observations and modelling** *Ritske Huismans, Nina Simon, Lars Ruepke, Yuri Podladchikov*
 STT-03 **Accretionary orogens: Character and processes** *Peter Cawood, Raimo Lahtinen, Yukio Isozaki (ERAS project)*
 STT-04 **Mantle convection and plumes: Reconciling observational and modelling constraints** *Harro Schmeling, Christoph Hieronymus*
 STT-05 **Ocean–continent transitions in rifted margins** *Jan Inge Falleide, Gianreto Manatchal, Nick Kuznir*
 STT-06 **Marine and continental fold and thrust belts** *Hermann Lebit, Rob Butler, Signe Ottesen, Chris Hedlund, Stefano Mazzoli (IUGS Task Group on Structural Geology and Tectonics)*
 STT-07 **Three-dimensional aspects of subduction zone processes: Insight from dynamic modelling, tectonic reconstructions and observational studies** *Wouter P. Schellart, Gideon Rosenbaum, Dave Stegman*
 STT-08 **Numerical and analogue modelling of deformation - from the micro- to the crustal scale** *Paul D. Bons, Sudipta Sengupta, Hemin Koyi*
 STT-09 **New concepts in global tectonics** *Dong Choi, Karsten Storetvedt, Forese Carlo Wezel*
 STT-10 **Earthquakes in-depth: Fault zone drilling projects on land and at sea** *Marco Bohnhoff, Achim J. Kopf, Harold J. Tobin (ICDP)*

PALEOSEISMOLOGY

STP

The following proposals have currently been accepted:

- STP-01 **General contributions to paleoseismology** *Hilmar Bungum, Allesandro Michetti, John Adams*
STP-02 **Deducing nature and magnitude of paleoearthquakes: Finding paleoevents and quantifying them**
Alessandro Michetti, Karl Müller, Klaus Reicherter (INQUA Subcommission on Paleoseismicity)
STP-03 **Paleoseismology for seismic hazard: Constructing paleo-earthquake histories and deducing seismic hazard implications** *Maryam Khodayar, Nils-Axel Mörner, John Adams*

NEOTECTONICS

STN

The following proposals have currently been accepted:

- STN-01 **General contributions to neotectonics** *Odleiv Olesen, Michel Sébrier, Anthony Crone*
STN-02 **Neotectonics and stress state in formerly glaciated regions** *Christophe Pascal, Iain Stewart, Bert Vermeersen*
STN-03 **Morphotectonics of lowland areas** *Andrzej Piotrowski, Marek Graniczny, Jonas Satkunas*
STN-04 **Stress/strain partitioning in active orogens, with emphasis on geomorphic/geologic signature of bounding blind thrust faults** *Franck Audemard, Alejandro Escalona, Karl Mueller (INQUA, IAG)*

Workshops

WS

The following proposals have currently been accepted:

- WSS-01 **Construction of paleomagnetic database of Eastern Mediterranean** *John D.A.Piper, A. Morris, O. Tatar, D. Kondopulau*
- WSS-02 **Converting geoscience knowledge into action: Lessons from the Multinational Andean Project (MAP)** *Roberto F.N. Page, Chaterine J. Hickson*
- WSS-03 **Delivery of geoscience information using web services** *Bruce Simons, John Laxton CGI-IUGS*
- WSS-04 **Funding geological research – the challenges for Earth system science** *Harold R. Lane, Yupeng Yao, Sören Dürr*
- WSS-05 **Geoconservation for sustainable development and Earth science propagation, geoheritage, geosites, geoparks** *Bill Wimbleton, Joy Jaqueline Pereira, Todor Todorov, Il'ya Fishman, Lars Erikstad, Francesco Zarlenga (IUGS-ProGEO, IUGS-GEM)*
- WSS-06 **Geoscience education in colleges and universities in Africa** *Rosemary Olive Mbone Enie, Barth N. Ekwueme*
- WSS-07 **Impact structures** *Lauri Pesonen, Henning Dypvik*
- WSS-08 **Integrated basin-play - prospect risk and resource assessment for oil and gas exploration** *Darrel Norman, Per Audun Hole*
- WSS-09 **Lapland Granulite Belt (LGB) and 1.9 Ga assembling of the Northeastern Baltic (Fennoscandian) Shield** *Pekka Tuisku, Pekka Heikkinen, Hannu Huhma (IGCP 509)*
- WSS-10 **Molar-tooth structures (in calcite spar)** *Nils-Martin Hanken, Xianghua Meng, Jesper Kresten Nielsen*
- WSS-11 **New developments in stratigraphic classification** *Maria Bianca Cita, Chris Kendall, Andreas Strasser, Stan Finney (ICS)*
- WSS-12 **Numerical modeling in Earth sciences** *Dani Schmid et al.*
- WSS-13 **Paleontological data analysis and modelling** *Øyvind Hammer et al.*
- WSS-14 **PaleoParks: The conservation and preservation of paleontological sites worldwide** *Jere H. Lipps et al.*
- WSS-15 **Reconstruction of cold-based ice sheets** *Svein Olaf Dahl, Henriette Linge*
- WSS-16 **Representative sampling - an ongoing geoscience challenge** *Kim H. Esbensen*
- WSS-17 **Sustainable mineral resource management - industrial minerals and aggregates** *Deborah Shields, Slavko Solar*
- WSS-18 **Trondhjemites, tonalites, plagiogranites and adakites: Similarities, differences and petrogenesis** *Jan Hertogen, David Roberts, R.B. Pedersen, Joseph Cotten*
- WSS-19 **Urban geochemical mapping methods** *Rolf Tore Ottesen, Kaj Lax, Timo Tarvainen*
- WSS-20 **Radon risk mapping: From soil-gas to indoor concentrations** *Peter Bossew, Grégoire Dubois, Tore Tollefsen, Ivan Barnet, Mark Smethurst*
- WSS-21 **Issues for geologists in 21st century – mitigation of man's influence and serving society's needs** *Isabel Fernandez Fuentes, Herald Ligtenberg (EFG)*

Short Courses

SC

The following proposals have currently been accepted:

- SCS-01 **Geology from the air - Introduction to airborne exploration geophysics** *Markku Peltoniemi*
- SCS-02 **Medical geology** *Olle Selinus, Edward Derbyshire, Jose Centeno, Robert Finkelman*
- SCS-03 **Quantitative aspects of medical mineralogy** *A. Umran Dogan & Meral Dogan*
- SCS-04 **Modern prospect assessment: Risk and uncertainty for today's prospect evaluations** *Darrel Norman, Per Audun Hole*
- SCS-05 **Palaeomagnetism and neotectonics** *John D.A. Piper, A. Morris, O. Tatar, D. Kondopulau*
- SCS-06 **Paleoseismology** *Nils-Axel Mörner, Jim McCalpin, Frank Audemard, Sue Dawson*
- SCS-07 **Salt tectonics** *Yu Yixin, M.P.A. Jackson*
- SCS-08 **Source rock modelling** *Ute Mann, Maik Inthorn*

Business Meetings

BM

Business Meetings will be announced later during 2007. About twenty have so far been registered. Others are welcome.