Dear Colleagues,

The International Association of Sedimentologists and the Department of Applied Geosciences and Geophysics/Montanuniversitaet Leoben (Austria) invite you to the 29th IAS Meeting of Sedimentology, to be held in Schladming, Austria, on 10th - 13th September 2012. The 29th IAS Meeting of Sedimentology will bring together all facets of sedimentology under the theme Sedimentology in the Heart of the Alps. It will feature a broad interdisciplinary scientific programme, an exciting range of Pre- and Post-Meeting Field Trips, which are being organized with important contributions from our Austrian partners and input from our Slovenian, Croatian, Hungarian and Slovakian neighbours. Expert training Pre- and Post-Meeting Short Courses, an exhibition and leisure options will be other features.

One of the most attractive points of the 29th IAS Meeting will be the possibility to join several of the geological field trips. The region surrounding Schladming encloses a wide spectrum of sedimentary rocks, superbly exposed in the outcrops of the Eastern Alps. For example, the Northern Alps are the type area for numerous classical Mesozoic sites including GSSPs. Also, there will be a variety of trips that examine famous outcrops of Palaeozoic and Cenozoic sedimentary rocks in the Eastern Alps, and sedimentary ore deposits. Other field trips will be held in the mountain chains of the Southern Alps, the Carpathians, the Dinarides and the Pannonian Basin.

We are looking forward to welcoming you on the 29th IAS Meeting.

Yours sincerely,

Hans-Juergen Gawlick
(Chairperson of 29th IAS Meeting, Leoben)

Sigrid Missoni
(Vice-Chairperson of 29th IAS Meeting, Leoben)

Organizing Institutions

Montanuniversitaet Leoben
Department of Applied Geosciences and Geophysics
Congress-Schladming
Sporthotel Royer
Schladming-Rohrmoos | Schladming-Dachstein Tourist Office

Organizing Committee

Hans-Juergen Gawlick (Chairperson), Sigrid Missoni (Vice-Chairperson), Fritz Ebner, Stephan Matthaei, Karl Millahn, Johann G. Raith, Reinhard F. Sachsenhofer, Tanja Schweiger (all Austria)

Scientific Committee

Daniel Ariztegui (Switzerland), Nenad Banjac (Serbia), Daniela Basso (Italy), Marc De Batist (Belgium), Peter Baumgartner (Switzerland), Poppe de Boer (The Netherlands), Ioan I. Bucur (Romania), Paul Carling (United Kingdom), Ivan Dulic (Serbia), Hilmar v. Eynatten (Germany), Wolfgang Frisch (Austria), Bruno Granier (France), Jürgen Groetsch (The Netherlands), Janos Haas (Hungary), Patric Jacobs (Belgium), Flavio Jadoul (Italy), Sergey Khafizow (Russia), Adamantios Kilias (Greece), Leopold Krystyn (Austria), Hiroki Matsuda (Japan), Vincenzo Pascucci (Italy), John Reijmer (The Netherlands), Stephen Rice (United Kingdom), Dilce Rosetti (Brazil), Thomas Stevens (United Kingdom), Finn Surlyk (Denmark), Peter Swart (USA), Igor Vlahovic (Croatia), Jiaxin Yan (China)

Correspondence

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Venue

Congress-Schladming
The Congress-Schladming will have 7 convention rooms with capacities from 30 up to 1400 persons. The impressive panorama as well as the inviting construction with its open architecture, equipped with the best available technology guaranties a great experience in the Congress-Schladming. For all information about the facilities, infrastructure and services visit the website: www.congress-schladming.com

Sporthotel Royer ****Superior
The Royer is a world of its own with its service leaving nothing to be desired and its unequalled charm. Modern conference technologies leave nothing to chance; part of the Meeting activities will be in these facilities. Congress-Schladming is only two minutes walk away. For more information visit the website: www.royer.at

Calendar

December 2011
2nd Circular: CALL FOR ABSTRACTS
End January 2012
30 April 2012
Abstract submissions close. Standard registrations close (meeting, field trips, short courses). Late registrations commence.

July 2012
3rd Circular: PROGRAMME

29th IAS MEETING OF SEDIMENTOLOGY

10th - 13th September 2012
Schladming-Dachstein | Schladming, Austria

www.sedimentologists.org/ims-2012
Field Trips
A1 End-Triassic crisis events recorded in platforms and basins of the Austrian Alps. The Triassic/Jurassic and Norian/Rhaetian GSSPs (Austria)
A2 Marine to continental depositional systems of Outer Dinarides foreland and intra-montane basins (Eocene-Miocene, Croatia and Bosnia-Herzegovina)
A3 From Late Triassic passive to Early Cretaceous active continental margin with dominantly carbonate sediments in the Transdanubian Range, Western Tethys (Hungary)
A4 The Rannach Facies of the Graz Palaeozoic (Eastern Alps, Austria)
A5 Siderite and magnesite mineralizations in Palaeozoic strata of the Eastern Alps (Austria)
B1 Middle Triassic platform/basin transition along the Alpine passive continental margin facing the Tethys Ocean (Gamsstein, Styria, Austria)
B2 Jurassic active continental margin deep-water basin and carbonate platform formation in the north-western Tethyan realm (Austria, Germany)
B3 Mesozoic deep-water basins of the eastern Southern Alps (Slovenia)
B4 Palaeokarst, neptunian dykes, collapse breccias, mud-mounds and sedimentary unconformities (Western Carpathians, Slovakia)
B5 Neogene pull-apart basins in the Eastern Alps (Austria)
B6 Permian-Triassic-Boundary and Lower Triassic in the Dolomites, Southern Alps (Italy)

Short Courses
A51 Fluid inclusions in diagenetic environments
A52 Geological modelling with Gemcom Surpac™
A53 How Petrel can be a powerful tool for sedimentology?
A54 Petrophysical modelling
B51 Magnetic stratigraphy
B52 Tracers in organic geochemistry - biomarkers and stable isotopes
B53 The multiphase flow behaviour of naturally fractured reservoirs
B54 Geological modelling for coal/stratified deposits with Gemcom Minex™

Highlights

Plenary lectures
Knut Bjorlykke: Relationships between depositional environments, burial history and rock properties. Some principal aspects of diagenetic processes
Kevin T. Pickering: Identifying tectonic and climatic drivers for deep-marine siliciclastic systems
Adolf Seilacher: An-actualistic sediments in the Precambrian

Public lecture
Wolfgang Frisch: Mountain uplift reflected in sedimentary record - the example of the Eastern Alps

Scientific Programme

Theme 1: Processes in sedimentation
Sediment generation, provenance, and dispersal
Microbial carbonates
Cyclic successions and their controlling factors
Animals, plants and clastic sedimentary processes in modern and ancient settings
Multidisciplinary approach to understand the Precambrian environments
Physical, numerical, and analytical modelling of sediment erosion, transport and deposition
Aeolian sediments and environments

Theme 2: Basin analysis
Tectono-sedimentary processes in ancient and modern extensional basins

Theme 3: Marine depositional environments
Heterozoan carbonates in non-tropical and tropical settings
Carbonate sedimentation in hypersaline environments
Coastal environments
Geobiology and sedimentology on continental margins
Sediment-benthos interaction in recent coastal environments

Theme 4: Continental depositional environments
Kars, cave sediments and speleothems

Theme 5: Diagenesis, fluid flow
Carbonate diagenesis including dolomitization

Theme 6: Applied sedimentology
Exploration and mining of sedimentary mineral deposits
Development of aquifers in sediments and sedimentary rocks
Special Clays in Mediterranean area

Theme 7: Hydrocarbon systems
Advances in understanding of mudstones as unconventional hydrocarbon deposits
Petroleum exploration and sedimentary basin analysis and modelling
Pre-Messinian strata of the Middle-East and the Near-East (with a special focus on oil and gas reservoirs)
Oil and gas reservoirs in EurAsia
Linking texture, flow processes and reservoir quality in deep-marine sandstones
Organofacies and organic geochemistry of European unconventional shale plays

Theme 8: Hazards, events, climate signatures
Mass-transport deposits, olistostromes and mélangé formation in modern and ancient continental margins, and associated natural hazards
Tsunami deposits in the historical and geological record: their discrimination and critical contribution to tsunami risk assessment
From the Late Permian until the Middle Triassic: perturbations around the Permian-Triassic boundary
Late and End-Triassic events, a multidisciplinary approach
Mesozoic oceans and climate - sedimentary archives on land and under the sea
Sedimentology of the crisis intervals in the Earth history
Climate-environmental deteriorations during greenhouse phases: Causes and consequences of short-term Cretaceous sea-level changes

Theme 9: Modelling and application
Sedimentology in 3D subsurface modelling - working towards integrated workflows

Theme 10: Sediments in mountain chains
Cherty sediments from oceans to mountains
Tectonics and sedimentary evolution of the Palaeogene/Neogene basins in the Alps-Carpathians-Dinarides-Hellenides

Theme 11: Stratigraphy and facies
Clastic and carbonate platforms
Advances in chemostratigraphy

Theme 12: Geophysics/Seismics/Petrophysics
Carbonate facies and petrophysical properties

Theme 13: Sedimentary ore deposits
Sedimentary hosted lithium deposits: depositional setting and genesis
Black shales and ore deposits
Sediment-hosted base-metal deposits

Theme 14: Open Symposium