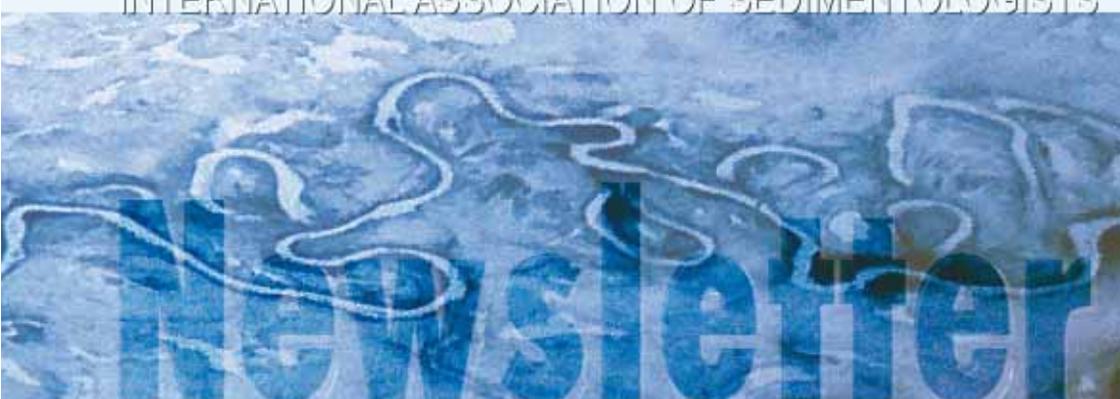


# IAS

INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS



# Newsletter

April 2009

<http://www.iasnet.org>

N° 221

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Link to **IAS National Correspondents**: <http://www.iasnet.org/about/correspondents.php>

# ANNOUNCEMENT

## Sorby Medallist 2010

According to the Bye-Laws of the International Association of Sedimentologists, the Sorby Medal is awarded to scientists of eminent distinction in sedimentology and is normally presented once every four years at the International

Sedimentological Congress. The Council awards the medal on the recommendation of the IAS Bureau who may invite nominations from Members. The list of past Sorby Medallists is as follows:

<b>R.A. Bagnold and F.P. Shepard</b>	-----	1978
<b>F.J. Pettijohn</b>	-----	1982
<b>R.G.C. Bathurst</b>	-----	1986
<b>R.L. Folk</b>	-----	1990
<b>J.R.L. Allen</b>	-----	1994
<b>R.N. Ginsburg</b>	-----	1998
<b>R.G. Walker</b>	-----	2002
<b>B.C. Schreiber</b>	-----	2006

With this announcement, the Bureau of the International Association of Sedimentologists would like to kindly request that members submit nominations for the Sorby Medal to be awarded during the 18th International Sedimentological Congress to be held in Mendoza, Argentina, in September 2010.

Proposals documenting the scientific contributions of potential candidates for the Sorby Medal should be sent to the IAS General Secretary (José-Pedro Calvo, Instituto Geológico y Minero de España, c/ Rios Rosas 23, 28003 Madrid, Spain. E-mail: jose.calvo@igme.es).

**Submission deadline for proposals is 15 July 2009**



## FIRST ANNOUNCEMENT

### 3<sup>rd</sup> IAS International Summer School of Sedimentology 2009

#### *Sedimentary Archives of Regional vs. Global Change: Case Study of Neogene Basins of Southern Spain*

The 3<sup>rd</sup> IAS International Summer School 2009 for PhD students will be held southern Spain, near Malaga and near the famous Neogene Sorbas Basin. Here, young geologists can learn first-hand about carbonate and evaporite sedimentology, the origin of turbidites and various aspects of cyclo- and chemostratigraphy. The Neogene Basins of southern Spain offer a wealth of beautiful examples of basin evolution, evaporite formation during the time of the Messinian salinity crisis, clastic sediment infill histories and classic sections used to calibrate Neogene astrochronology. Three field days will allow participants to take full advantage of all these features, and more. Additionally, three days of lectures will address the general concepts of carbonate and evaporite sedimentation, turbidite sedimentology, cyclostratigraphy and astrochronology and C-isotope geochemistry and the carbon cycle.

The Neogene basins will serve as case studies, where the impact of regional vs. global change on sedimentation will be discussed and proxies of global change will be compared with sedimentary signatures recording local environmental change.

#### When:

4 to 11 October 2009

#### Where:

Carboneras (Almeria), Spain, Hotel El Dorado Palace (<http://www.eldorado-carboneras.com>)

Lecturers include Juan Carlos Braga and Jose M. Martin (University Granada, Spain), Peter Haughton (University College Dublin, Ireland), Frits Hilgen (University of Utrecht, The Netherlands), Helmut Weissert & Judith A. McKenzie (ETH Zürich, Switzerland).



*Figure 1. Sunrise from Hotel El Dorado Palace.*



*Figure 2. Excellent outcrops of the Sorbas Basin.*



#### Topics to be addressed:

Evaporites and carbonate sedimentology, tropical and temperate carbonates, cyclostratigraphy and astrochronology, carbon isotope geochemistry and the global carbon cycle, concepts of clastic sedimentology and turbidite sedimentology.

#### Who should apply:

Doctoral students who are interested in aspects of carbonate or evaporite sedimentology, turbidite sedimentology and basin evolution, or in new tools in stratigraphy. Must be IAS student member! Up to 28

students will be accepted. Send application directly to IAS Secretary at <http://www.iasnet.org/>

#### Application deadline:

7 May 2009, acceptance announced by 3 June 2009.

#### Costs:

The costs are estimated to be 300 Euros/student, double room, full pension for 7 days and transfer to and from Malaga airport. Travel costs are not included, but students can apply for a travel grant directly to the IAS student grant scheme via IAS website once notification of acceptance has been received.

## ANNOUNCEMENT

### International Workshop on Geological and bio(geo)chemical processes at cold seeps - Challenges in recent and ancient systems

*Varna, Bulgaria, 28-30 September, 2009*

Phenomena related to hydrocarbon migration and gas/fluid seepage have been recognized and studied worldwide in both recent active settings and fossil seep sites in various sedimentological and geodynamic settings. These locations have a unique potential to study the interaction between the geosphere and (micro)biosphere and investigate the fingerprinting and preservation of biogeological processes.

Moreover, they can provide a window into the (paleo) fluid flow of hydrocarbon-bearing fluids in different geological contexts. Research of modern cold seeps reveals valuable information on near-seabed processes, often studied with highly advanced analytical techniques. On the contrary, paleo-seeps are logistically easily accessible spots, allowing a detailed study of the subsurface seep plumbing system and of the heterogeneity of complex seep processes in 4D (space and time).

The goal of the international workshop organized in Varna, Bulgaria, is to bring together geologists, geochemists, microbiologists, biologists, geophysicists and scientists from other disciplines, both from academy and industry to: (1) highlight the new emerging concepts and approaches, and (2) define the key research directions in the study of cold seep systems and their environment through geological time.

The workshop will be held in Varna and the Resort of St. Konstantin-Helena (Varna District) from Monday, September 28<sup>th</sup> until Wednesday, September 30<sup>th</sup>, 2009 with an Introduction talk and Icebreaker Party on Sunday evening September, 27<sup>th</sup>.

The in-house workshop will take place in the conference room of the «Sirius Beach Hotel» (Resort of St. Konstantin-Helena), located approximately 7.5 km from the

centre of Varna along the Bulgarian Black Sea coast. Varna and St. Konstantin-Helena can be easily reached from the airport (6.5 km from the centre of Varna) by public transport or taxi.

The workshop is hosted by «The Institute of Oceanology - Fridtjof Nansen (Varna, Bulgaria)». Conveners of the scientific event are Rudy Swennen (K.U.Leuven, Belgium), Lyubomir Dimitrov (IO-BAS, Bulgaria) and Eva De Boever (K.U.Leuven, Belgium). The workshop is organized in cooperation with the IAS and Geologica Belgica.

The in-house workshop will be structured as a number of discussion sessions, each addressing a specific topic or scientific question/problem in the actual research of cold seeps and their environment. Proposed topics to be addressed include, but are not limited to the following. Participants are invited to propose additional subjects:

- (1) *Authigenic seep products* – controlling factors on morphology, fabric & mineralogy, advanced techniques in geochemical characterization, dating?
- (2) *Biominalization* – processes and emerging techniques in imaging?
- (3) *Geomicrobial and biogeochemical studies* of hydrocarbon-enriched sedimentary environments – processes, players, diversity, preservation, techniques?
- (4) *Fluid flow from source to surface* –diversity of seafloor and subsurface expressions, pathways, periodicity of seepage events and seep

budgets?

- (5) *Modeling* of gas/fluid movement through sediments and quantification of diagenetic processes?
- (6) *Gas hydrates* – hydrate dynamics, occurrence in the geological past and their relationship to cold seep carbonates?
- (7) *Other*

Prior to the in-house workshop, on 28<sup>th</sup> – 29<sup>th</sup> (morning) September, a field trip to the «Pobiti Kamani» paleoseep area (Lower Eocene) will be organized (price included in registration fee). The area is located approximately 20 km west of Varna. We plan to visit at least 3 main sites, which will present an overview of the exposed carbonate-cemented structures and their sedimentological-geodynamic context. Observations during the field trip will hopefully strengthen the subsequent in-house discussions.

The International workshop is sponsored by the International Association of Sedimentologists (IAS). IAS Postgraduate students can apply for financial support for attending the meeting. For more information on this subject, please contact Rudy Swennen or Eva De Boever.

For further details, please, check the webpage of the event at <http://ees.kuleuven.be/wvarna09/index.html> and/or contact

*Eva De Boever*  
([Eva.DeBoever@ees.kuleuven.be](mailto:Eva.DeBoever@ees.kuleuven.be)),  
*Rudy Swennen*  
([Rudy.Swennen@ees.kuleuven.be](mailto:Rudy.Swennen@ees.kuleuven.be)),  
*Lyubomir Dimitrov* ([geos@io-bas.bg](mailto:geos@io-bas.bg))

## ANNOUNCEMENT

### 5<sup>th</sup> Lithographic Symposium on Lithographic Limestone and Plattenkalk

*Basel, Switzerland 17-22 August, 2009*

The 5<sup>th</sup> International Symposium on Lithographic Limestone and Plattenkalk will be held at the Naturhistorisches Museum Basel ([www.nmb.bs.ch](http://www.nmb.bs.ch)), from 17 to 22 August, 2009. The Symposium in Basel follows previous editions organised in Lyon (1991), Cuenca (1995), Bergamo (1998) and Eichstätt/Solnhofen (2005). The venue of the 5<sup>th</sup> International Symposium on Lithographic Limestone and Plattenkalk is close to the Late Jurassic fossil localities of Solothurn and Porrentruy (northwestern Switzerland).

The symposium will consist of three days of presentations, including plenary sessions, regular sessions and posters, running from 18 to 20 August. The conference has a multidisciplinary character and it is planned to address various aspects in

the study of lithographic limestone and plattenkalk deposits dealing with palaeontology (taxonomy, palaeoecology, taphonomy), geology (stratigraphy, sedimentology, palaeoenvironments), mineralogy and petrology of related Fossil-Lagerstätten.

In addition to the technical sessions, three excursions will be organised in Germany and Switzerland:

- Frauenweiler (Germany),  
Monday 17<sup>th</sup> August:  
Pre-Symposium excursion to the Frauenweiler cly pit (Oligocene), a famous locality for fossil fishes and oldest hummingbirds, co-organised by Eberhard «Dino» Frey (Staatliches Museum für Naturkunde, Karlsruhe)



-Porrentruy (Canton Jura, Switzerland), Friday 21<sup>st</sup> August:  
Post-Symposium excursion to Porrentruy. Several dinosaur tracksites have been discovered in sub-lithographic limestone deposits (biolaminites) of Late Kimmeridgian age along the future course of the «Transjurane» highway ([www.palaeojura.ch](http://www.palaeojura.ch)). In addition, many fish, turtle and crocodilian remains have been unearthed in coeval marls. Aperitif and dinner will be offered in close vicinity to a dinosaur tracksite and footprints can be observed by night using artificial illumination.

- Solothurn (Canton Solothurn, Switzerland), Saturday 22<sup>nd</sup> August:  
Post-Symposium excursion to Solothurn and surrounding areas. The visit will be devoted to the well-known outcrops of the Solothurn Turtle Limestone (Late Kimmeridgian) and the Lommiswil dinosaur tracksite. The field trip includes a further visit to the Natural History Museum of Solothurn ([www.naturmuseum-so.ch](http://www.naturmuseum-so.ch)) where many fishes, turtle and crocodilian remains are housed.

Collection visits will be welcomed in the Naturhistorisches Museum Basel during the conference, from Monday to Friday.

The Organising Committee of the Symposium is formed by Dr. Jean-Paul Billon-Bruyat and Dr.

Daniel Marty, both belonging to the Palaeontology A16, Porrentruy, and by Dr. Christian Meyer, Dr. Loïc Costeur and Basil Thüring (Naturhistorisches Museum Basel). Keynote speakers are D.E. Briggs, W.J. Joyce and A. Seilacher (Yale Peabody Museum of Natural History) and E. «Dino» Frey (Staatliches Museum für Naturkunde, Karlsruhe).

The Symposium is supported by the Commission of the Swiss Palaeontological Memoirs, The Swiss Paleontological Society, The European Association of Vertebrate Palaeontologists and the International Association of Sedimentologists (IAS). The IAS is sponsoring student travel grants and students can apply for grants directly via the IAS website.

A symposium volume containing the abstracts of the meeting and the field guides will be published. The deadline for abstract submission is the 31<sup>st</sup> March 2009. The publication of the conference proceedings is planned as a special volume of the peer-reviewed *Swiss Journal of Geosciences* (IF 2006: 1.23; [www.springer.com](http://www.springer.com)). Manuscripts must be submitted at the time of the celebration of the conference and the publication of the volume is scheduled for spring 2010. The KSPA (Commission of the Swiss Palaeontological Memoirs) will sponsor the special volume.

Details on organisation aspects and further information on the conference is available at [antoINETTE.hITZ@bs.ch](mailto:antoINETTE.hITZ@bs.ch) (Naturhistorisches Museum Basel)

*The ISLLP Organising Committee  
Basel, Switzerland*

## CONFERENCE REPORT

### From River to Rock Record: The preservation of fluvial sediments and their subsequent interpretation

*University of Aberdeen, 12-14 January 2009*

The first «From River to Record» conference was held in the Geology Department of the University of Aberdeen, Scotland, UK on the 13-14 January 2009. This was preceded by a one day core workshop at a nearby core storage facility in Aberdeen. The main initiative behind convening this meeting was to allow fluvial geomorphologists and sedimentologists from Academia and Industry the opportunity to interact and exchange ideas and information. Hopefully this will lead to more collaborative research to improve our understanding of rivers and their sediments, with the aim that both disciplines are developing in tandem rather than in parallel.

The general consensus is that this conference has been a great success, with calls for a follow-up «From River to Rock Record II» at some

point. Delegates agreed that they appreciated the relaxed, informal atmosphere with lots of good feeling and information transfer. The response and interest in this event have far exceeded expectations, which are very gratifying from the perspective of the main organiser of the event. Luckily, international attendees even managed to appreciate Scotland in some of the finest winter weather we had seen in a while.

The conference began with a one-day workshop at a local core store in Aberdeen where selections of cores from North Sea oil and gas wells were on display. The cores were chosen to illustrate a range of fluvial environments and their problematic interpretation. This highlighted how difficult it is for sedimentologists to interpret fluvial systems from cylinders of core 6 - 8 inches in

diameter. Some key experts from the oil and gas exploration and production industry described sections of core before the floor was opened for questions and debate. This proved to be a very useful exercise, with several leading experts in fluvial sedimentology and geomorphology discovering that perhaps we do not appreciate the full complexity of fluvial variability.

The following two day meeting did not have parallel sessions and the posters were on display in the same building for the whole time. This avoided problems of not being able to be in more than one place at the same time. Each session topic was introduced by a keynote speaker of international repute, representing both Academia and Industry interests in rivers and their sediments. Session topics were chosen to discuss the problems involved with reconstructing fluvial systems from

their sediments, including, the affect of allogenic and autogenic processes, the interaction with other non-fluvial environments, and how we might transfer our knowledge of modern rivers to the rock record.

The first day's sessions were primarily devoted to understanding what is preserved in the rock record and what lessons we can learn from modern-day fluvial processes. Four keynotes presented their contributions to solving these problems (Frank Ethridge: Variability in modern alluvial rivers: is this variability recognized in ancient river deposits?; Martin Gibling: Estimating width and thickness of fluvial channel bodies: a pragmatic approach from the rock record; Gary Weissmann: The Distributary Fluvial System (DFS) paradigm: re-evaluating fluvial facies models based on observations from modern continental sedimentary basins; John



*Figure 1. Lower Jurassic braided river deposits of the Kayenta Formation in Kane Springs, Utah, USA.*



Figure 2. Fluvial bars and islands in the San Juan River near Bluff, Wyoming, USA.

Holbrook: A persisting preference for progressive piling: rock vs. river biases in the medium-term processes and architectural complexity of channel-belt stacking).

The second day's sessions were mainly concerned with interpreting fluvial sediments in relation to their interaction with non-fluvial environments and the effect of short-term processes on fluvial architecture. The concluding two sessions provided a spot-light on the problems faced by Industry when trying to interpret fluvial sediments in the subsurface. Five keynotes presented their experience with these particular aspects of fluvial sedimentology (Ron Steel: Cretaceous Shoreline-Attached Fluvial Systems within Source-to-Sink Transects; Suzanne Leclair: Revising assumptions about short-term hydrosedimentary processes and the preservation of river dune deposits; Penny Patterson: Alluvial hierarchy:

description of alluvial strata in the rock record; Jean-Loup Rubino & Richard Labourdette: The problems involved in interpreting fluvial reservoirs: bridging the gap between sedimentologists and reservoir engineers).

With over 120 attendees from 15 countries the range and quality of the presentations and posters was excellent. Countries represented included Australia, Canada, Egypt, France, Germany, Hungary, India, Italy, Japan, Norway, Romania, Switzerland and The Netherlands, UK and US. Data and case studies were presented from diverse environments from Botswana to Alaska.

Opportunity was provided at coffee breaks and lunch times to view the poster displays and question the authors. The added incentive of free beer in the poster room proved particularly appealing to delegates at the end of day one. The conference dinner was successfully hosted in the



mediaeval Elphinstone Hall on campus, followed by a sojourn to a local pub for more discussion.

The open forum wrap-up discussion at the end of the conference proved very insightful into the thought processes of those at the forefront of applied and research fluvial sedimentology and geomorphology. The majority confirmed opinion from the core workshop that we, as disciplines, do not account for the full range of river variability and do not give due importance to the information retained in overbank processes and sediments. Discussion then turned to how we train future sedimentologists to account for the lapses in our knowledge and understanding; do we train people to understand rivers, understand the preservation of sediments or understand their potential as reservoirs for natural resources? Should we be teaching form or process or both? I would add to this that geomorphologists do not fully appreciate how much

quantitative data they have at their finger-tips that is potentially useful to the sedimentology community. Although discussion had to stop as people were leaving to travel home, the over-riding conclusion was that we do not yet fully understand the preservation of fluvial sediments and have raised more questions than we have answered. Food for thought.

Many thanks go to my colleagues Sophie Leleu and Colin North for their support in bringing this conference to fruition. Thanks go to the presenters and attendees for contributing thought-provoking and stimulating topics for discussion. Thanks also go to the sponsors of this event for their generous support.

More information and abstracts can be found at <http://www.abdn.ac.uk/geology/deptinfo/events/river2rock/river2rock2>

*Stephanie Davidson  
University of Aberdeen*

## IAS Postgraduate Grant Scheme

**IAS** has established a grant scheme designed to help PhD students with their studies. We are offering to support postgraduates in their fieldwork, data acquisition and analysis, visits to other institutes to use specialised facilities, or participation in field excursions directly related to the PhD research subject.

**Up to 10 grants, each of about € 1000 are awarded twice a year.**

These grants are available for IAS members only, and only for PhD students. Students enrolled in MSc programs are **NOT** eligible for grants. Research grants are **NOT** given for travel to attend a scientific conference, **NOR** for acquisition of equipment. Student travel grants for conferences can be usually obtained directly from organizers of the meeting.

The **Grant Scheme Guidelines** provide a summary of required information needed for successful a Grant Application. Applications are evaluated on the basis of the scientific merits of the problems, the capability of the researcher, and reasonableness of the budget.

Supervisor's Letter Guidelines list the information needed.

### IAS Grant Scheme Guidelines

The application should be concise and informative and contains the following information (limit your

application to 4 pages):

Research proposal - 2 pages maximum

Bibliography - ½ page

Budget - ½ page

Curriculum Vitae – 1 page

Recommendation letter (or e-mail) from the supervisor supporting the applicant is mandatory and the research proposal must be sent directly to the Treasurer of IAS by the application deadline

### Guidelines for letter from supervisor

The letter from the supervisor should provide an evaluation of the capability of the student to carry out the proposed research, the significance and necessity of the research, and reasonableness of the budget request. The letter must be sent directly to the Treasurer of IAS by post or e-mail by the application deadline (Patric Jacobs, Department of Geology and Soil Science, Ghent University, Krijgslaan 281/S8, B-9000 Gent, BELGIUM. E-mail: patric.jacobs@ugent.be). An application form is on our website (<http://www.iasnet.org>).

### Grant application

Research Proposal –

- ♦ **Title**
- ♦ **Introduction:** Introduce the



topic and provide relevant background information; summarise previous work by you or others. Provide the context for your proposed study in terms of geography, geology, and /or scientific discipline.

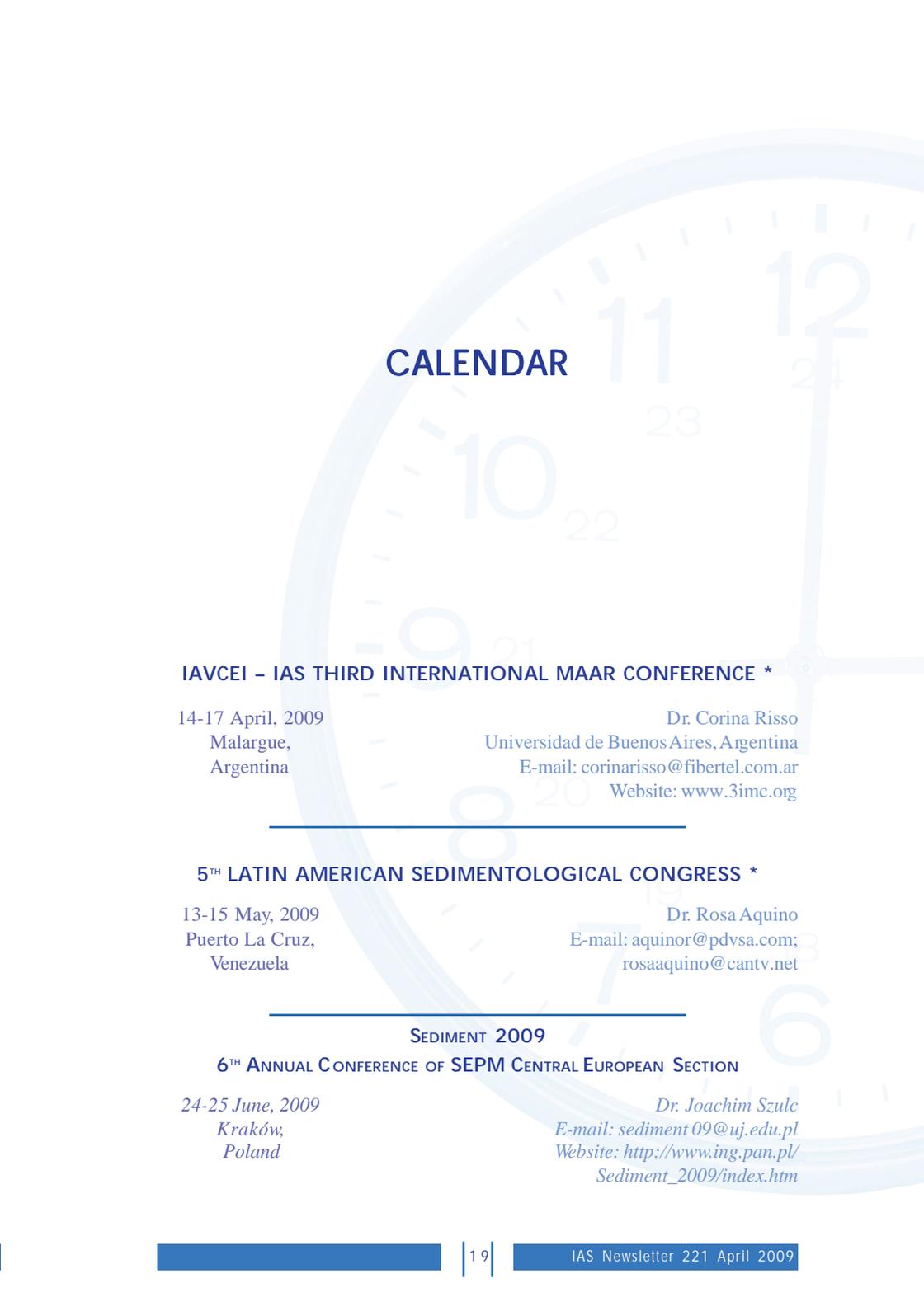
- ◆ **Motivation:** It should have a clearly written hypothesis or a well-explained research problem of geologic significance. It should explain **why** it is important. Simply collecting data without an objective is not considered wise use of resources.
- ◆ **Methods:** Outline the research strategy (methods) that you plan to use to solve the problem in the field and/or in the laboratory. Please include information on data collection, data analyses, and data interpretation.
- ◆ **Facilities:** Briefly list research and study facilities available to you, such as field

and laboratory equipment, computers, library.

- ◆ **Bibliography:** provide a list of key (5-10) publications that are relevant to your proposed research. The list should show that you have done adequate background research on your project and are assured that your methodology is solid and that the project has not been done already.
- ◆ **Budget:** Provide a brief summary of the total cost of the research. Clearly indicate the amount (in euros) being requested. State specifically what the IAS grant funds will be used for.
- ◆ **Curriculum Vitae:** Name, postal address, e-mail address, university education (degrees & dates), work experience, awards and scholarships, independent research projects, your abstracts and publications.

**Application deadlines:** 1<sup>st</sup> session: March 31  
2<sup>nd</sup> session: **September 30**

**Recipient notification:** 1<sup>st</sup> session: before June 30  
2<sup>nd</sup> session: **before December 31**



## CALENDAR

### **IAVCEI – IAS THIRD INTERNATIONAL MAAR CONFERENCE \***

14-17 April, 2009  
Malargue,  
Argentina

Dr. Corina Risso  
Universidad de Buenos Aires, Argentina  
E-mail: [corinarisso@fibertel.com.ar](mailto:corinarisso@fibertel.com.ar)  
Website: [www.3imc.org](http://www.3imc.org)

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### **5<sup>TH</sup> LATIN AMERICAN SEDIMENTOLOGICAL CONGRESS \***

13-15 May, 2009  
Puerto La Cruz,  
Venezuela

Dr. Rosa Aquino  
E-mail: [aquinor@pdvsa.com](mailto:aquinor@pdvsa.com);  
[rosaaquino@cantv.net](mailto:rosaaquino@cantv.net)

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### **SEDIMENT 2009**

### **6<sup>TH</sup> ANNUAL CONFERENCE OF SEPM CENTRAL EUROPEAN SECTION**

24-25 June, 2009  
Kraków,  
Poland

Dr. Joachim Szule  
E-mail: [sediment09@uj.edu.pl](mailto:sediment09@uj.edu.pl)  
Website: [http://www.ing.pan.pl/  
Sediment\\_2009/index.htm](http://www.ing.pan.pl/Sediment_2009/index.htm)



## 5<sup>th</sup> INTERNATIONAL SYMPOSIUM ON LITHOGRAPHIC LIMESTONE AND PLATTENKALK\*

17-22 August, 2009  
Basel,  
Switzerland

Dr. Daniel Marty  
Section d' Archaeology at Palaeontology  
Porrentruy  
E-mail: antoinette.hitz@bs.ch  
Website: www.nmb.bs.ch

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## 27<sup>TH</sup> IAS MEETING OF SEDIMENTOLOGY \*

20-23 September,  
2009  
Alghero, Sardinia,  
Italy

Dr. Vincenzo Pascucci and Dr. Stefano Andreucci  
Università di Sassari, Sardinia, Italy  
pascucci@unisi.it; sandreucci@uniss.it  
Website: www.ias2009.com

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## FIRST MEETING ON LOW-TEMPERATURE GEOCHEMISTRY

27-30 September, 2009  
Córdoba,  
Argentina

Prof. Pedro J. Depetris  
CIGES-CICTERRA  
Córdoba, Argentina  
E-mail: pdepetris@efn.uncor.edu;  
iragsu@gmail.com»

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## 9<sup>TH</sup> INTERNATIONAL CONFERENCE ON FLUVIAL SEDIMENTOLOGY \*

24-28 August, 2009  
San Miguel de  
Tucumán,  
Argentina

Dr. Sergio M. Georgieff (UNT-CONICET)  
Miguel Lillo 205, T4000JFE,  
San Miguel de Tucumán, Tucumán, Argentina  
E-mail: icfs9@csnat.unt.edu.ar  
Phone: +54 381 4321 165 Fax: +54 381 4321 165  
Website: <http://lillo.org.ar/content/view/551/153/>

**INTERNATIONAL WORKSHOP ON GEOLOGICAL AND  
BIO(GEO)CHEMICAL PROCESSES AT COLD SEEPS –  
CHALLENGES IN RECENT AND ANCIENT SYSTEMS \***

28-30 September,  
2009  
Varna,  
Bulgaria

Eva De Boever  
Dep. Of Earth and Environmental Sciences  
K.U. Leuven, Belgium  
E-mail: [Eva.DeBoever@ees.kuleuven.be](mailto:Eva.DeBoever@ees.kuleuven.be)  
Website: <http://ees.kuleuven.be/wvarna09/>

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**THE 4<sup>TH</sup> CHINESE NATIONAL CONGRESS ON SEDIMENTOLOGY**

16-20 October,  
2009  
Qingdao, China

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**12<sup>TH</sup> FRENCH MEETING OF SEDIMENTOLOGY**

27-29 October, 2009  
Rennes, France

E-mail: [asf2009@univ-rennes1.fr](mailto:asf2009@univ-rennes1.fr)  
Webpage: <http://www.asf2009.univ-rennes1.fr>

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**18<sup>TH</sup> INTERNATIONAL  
SEDIMENTOLOGICAL CONGRESS\***

26 September,  
1 October, 2010  
Mendoza,  
Argentina

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