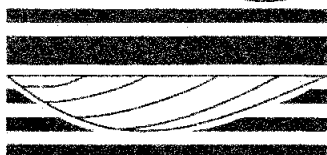


# IAS



INTERNATIONAL ASSOCIATION  
OF SEDIMENTOLOGISTS

## NEWSLETTER

N° 183 December 2002

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**Contributions to be sent to:**

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**IAS-Homepage:**

<http://www.blackwell-science.com/uk/society/ias>

## SEVENTH IAS SPECIAL LECTURE TOUR

**A**fter the very successful Special Lecture Tours of Robin Bathurst (1992), John Crowell (1993/94), Emiliano Mutti (1996), Gerhard Einsele (1997), Harold Reading (1999), and Robert Ginsburg (2001) we are now happy to announce that **Prof. Roger G. Walker** has agreed to be our Special Lecturer for the years 2003/2004.

Prof. Walker is well known for his pioneering work in siliciclastic sedimentology, sequence stratigraphy, and for his outstanding qualities as a teacher. In addition to many other awards, he has received the Sorby Medal from the International Association of Sedimentologists in 2002 (see October issue of the IAS Newsletter, p.12, and next February issue of *Sedimentology*, v. 50).

He proposes the following lecture themes:

**1) Facies Models – Past, Present and Future** (general lecture for geologists): A historical review of the origins of facies and facies models, with an appraisal of the art of modelling today and possible directions in which facies models may evolve in the future.

**2) The use of outcrop analogs for the interpretation of subsurface turbidite reservoir systems** (sedimentary geology lecture): An application of outcrop studies, particularly the Carboniferous Ross Formation of western Ireland, to subsurface situations, comparing outcrops with some 3D data.

**3) Transgressive shoreline deposits – integration of sedimentology, sequence stratigraphy and reservoir engineering** (sedimentary geology lecture): A case history of a large gas field in southern Alberta, showing how transgressive shoreline deposits can be understood and interpreted using the principles of sedimentology, sequence stratigraphy, subsurface structure and reservoir engineering.

These lectures can be amplified by round-table discussions and supplemented with local field trips.

Sedimentology groups and institutes interested in receiving Prof. Walker should **apply as soon as possible**,

**but not later than March 1st, 2003**, indicating the preferred time for the visit, and the preferred themes. A travel plan will then be established. Priority will be given to institutions in countries that normally don't have the means to invite foreign lecturers, and to countries in Asia, South America and Europe not yet visited by previous Special Lecturers.

The IAS finances travel expenses to and from the visited country, but local expenses for food and lodging as well as for local field trips must be paid by the host institutions.

For applications, please write to:

*José-Pedro Calvo*  
*General Secretary IAS*  
*Departamento de Petrología*  
*y Geoquímica*  
*Facultad de Geología*  
*Universidad Complutense*  
*28040 Madrid, Spain*  
*Fax: +34 91 5442535*  
*E-mail: [jpcalvo@geo.ucm.es](mailto:jpcalvo@geo.ucm.es)*

## OBITUARY FOR YVONNE GUBLER

### PRESIDENT OF IAS FROM 1971-1975

In 2002, Professor Yvonne Gubler left us. Generations of post-graduate students in Geology at the IFP School (the French Petroleum Institute School) as well as the scientists of the Sedimentology Division of the IFP will never forget her.

Her career as micropaleontologist and sedimentologist was essentially accomplished in connection with the Petroleum Industry at the "*Société Nationale des Pétroles d'Aquitaine*" (SNPA) but mainly at the IFP where she was responsible for the research and the teaching in Geology. Her prestige with the students was greatly linked to her extraordinary ability to read and interpret Geology on the field (mainly in the Alps and the Pyrenees) and to communicate her knowledge to the students. She was a great field geologist and the students will never forget the energy with which she conducted field parties in the Alps.

But for this IAS Newsletter, one must emphasize her role in the development of Sedimentology in France.

Her initial activity as a scientist was on the field of Micropaleontology. She started in 1935, with a PhD thesis on "*Permian Fusilinids of Indochina*", a

country where she followed her husband, a geologist also.

In 1942, she founded the Stratigraphy Laboratory at the SNPA. Already, she had clearly in mind that microfossils can give useful information not only on the chronology of deposits but also on their environment. Very early, in connection with her ability for field geological work, she became aware that the discipline of Stratigraphy must combine Sedimentology with Chrono-Stratigraphy.

In 1949, when she became responsible of the Sedimentology Division at the IFP, many scientific aspects of Petroleum Geology were still in infancy, especially in France. The framework of plate-tectonics was not yet available allowing a sound classification of sedimentary basins. Concepts of sequence stratigraphy, concepts on source rocks for oil and gas have not yet been formulated. Under her leadership and her very open-minded approach in Science, her team of scientists rapidly acquired an international reputation.

Among many accomplishments, one can cite:

- the French contribution to the study of dolomitisation for the 5<sup>th</sup> World Petroleum Congress (1959). For the first time, an exhaustive scientific approach was applied to the formation of secondary late dolomites through circulation of hot fluids along faults, combining observations in the Parentis oil field in Aquitaine, observations on outcrops including petrological, mineralogical and petrophysical studies and experimented research on the physico-chemistry of dolomite synthesis.
- The unique sedimentological study of the lower Paleozoic of Central Sahara, conducted during several years at a continental scale with a remarkable final publication in 1971 (S. Beuf et al., Technip Paris 1971) illustrating in particular the glacial deposits of the Ordovician.
- The first comprehensive study of the turbidites and debris flow deposits of the Annot Sandstones in the Alps which are now one of the best studied and visited outcrops of gravity deposits.
- The development of an organic Geochemistry Laboratory studying marine sediments source rocks and oils. It was the first step leading to the major discoveries on

the origins of hydrocarbons and their migration made in the 70' at the IFP.

She was the editor of a very complete and well-illustrated book: "*Essai de Nomenclature et Caractérisation des Principales Structures Sédimentaires*" (Technip, Paris 1966). In 1972, for the "*Colloque sur les Méthodes et Tendances de la Stratigraphie*" (Mem. BRGM Fr., 1972), she was in charge of the Introduction, Synthesis Report on Stratigraphy and Sedimentology; the concept of Sequential Stratigraphy was the main topic.

In 1989, the book on "*Dynamique et Méthodes d'Etude des Bassins Sédimentaires*" (Technip, Paris 1989) celebrated Professor Yvonne Gubler, the Founder and first President of the "Association des Sédimentologues Français" (ASF).

L. Montadert  
J. Debyser

## 22nd IAS MEETING OF SEDIMENTOLOGY

17-19 September 2003

Opatija-Croatia

It is now almost 20 years since Croatian sedimentologists organized the 4th IAS Regional Meeting in Split, a town located in the central part of the eastern Adriatic coast. Since 1983, the Meetings have been held throughout Europe and North Africa. Now, we are pleased to announce that, in 2003, the 22nd IAS Meeting of Sedimentology will be returning to Croatia. On this occasion, the Meeting will be held in the small, northern Adriatic town of Opatija, a pleasant seaside location with a long tourist tradition and a modern Convention Centre. It is well known for its touristic tradition dating from the 19th Century, for its pleasant climate, abundant vegetation, warm sea, miscellaneous touristic activities and lastly for its hospitality. It is easily reached by car, bus, train or boat, while the distance from Zagreb International Airport is 200 km.

The meeting will be held in the Grand Hotel Adriatic, which is one of the most popular convention venues in Croatia. Situated in the beautiful surroundings of the Opatija Riviera, the hotel guarantees pleasant accommodation, rich gastronomic fare, excellent entertainment, shopping and many other amenities. In its vicinity there are many small restaurants, cafés, shops and a very nice beach.

The Scientific Committee is offering 14 thematic topics covering almost the entire field of Sedimentology, as well as other geological disciplines where sedimentology plays an important role. Also, there will be 9 keynote lectures, presented by prominent international scientists as well as sedimentologists of the younger generation, on a range of topics ensured to provoke your interest.

Croatian sedimentologists, in co-operation with Slovenian colleagues, have proposed 8 very attractive field trips, 3 pre-conference and 5 post-conference, covering the most interesting localities in three different geotectonic units, the Dinarides, Pannonian Basin System and the Southern Alps, in deposits ranging in age from the Permian to the Quaternary. A proposed workshop on oil and gas formation in sedimentary basins will provide an opportunity to work with and apply subsurface data using examples from the Pannonian Basin. Additionally, a short course is offered which will focus on the role of clay minerals in the earth sciences. Accompanying persons will be able to choose between several trips provided by the local tourist office.

The Organizing Committee is composed of Croatian scientists with experience in organisation of international scientific meetings, while the Scientific Committee is international. The Meeting will be organized by Institute of Geology (Zagreb) and Croatian Geological Society, and sponsored by the Ministry of Science and Technology of the Republic of Croatia, with full support of the IAS Bureau.

After the 1st Circular we have received more than 130 preliminary registrations, and, according to the experience from former meetings we expect at least double number of participants. Potential participants expressed their interest for offered topics, excursions, workshop and short course, and the organization proceeds according to the plan proposed in the 1st circular, which can be found on our Web site: <http://www.igi.hr/ias2003>

The second circular will be printed in December, and updated Web site with latest information will be presented in January. An interesting announcement for young scientific people attending the Congress is that the three best posters presented by postgraduate students will be awarded. Prizes will consist of free IAS Special Publications at choice.

We believe that there are many reasons to participate on this meeting. We hope that you will find your own: to present your work, discuss other problems, see interesting outcrops, exchange your experience, meet new colleagues and refresh your old scientific friendships... There are also some other interesting details: gastronomic specialities and quality wines could also add to your experience of Opatija and Croatia.

Welcome to Opatija – we are looking forward to our meeting!

*Davor Pavelic*



## Report on

### DRYLAND RIVERS: PROCESS AND PRODUCT 2002

This BSRG-supported conference was held at the University of Aberdeen between August the 7<sup>th</sup> and 10<sup>th</sup> 2002. The conference set out to promote cross discipline discussion, combining expertise from a wide range of academic and industrial workers. A total of 81 people attended 40 from industry, 41 from academia, including a number PhD students. Attendees were drawn from 10 Countries (UK, Norway, USA, Germany, Israel, Canada, Australia, Netherlands, Spain, France). Over a four day program including core workshops, presentations, field classes and the ensuing discussions, several key points were highlighted:

- Possible process misinterpretation in the rock record and the need to refine facies models to enhance understanding of core data sets and assist reservoir prediction.
- Importance of in-channel and bank vegetation in modern systems: would this have been as influential in ancient systems? For example, the propensity of pre-Devonian dryland sheet flood facies may be attributed to the lack of sediment binding grassy vegetation. How applicable, therefore, are models derived from modern analogue studies?
- Incorporation of dryland soil characteristics and their spatial variation to increase understanding of floodplain development and highlight the significance of palaeosols in the rock record; palaeosols can be used to infer local conditions, in contrast to channel facies which tend to reflect up stream tectono-climatic fluctuations.
- In addition, the application of recently defined dryland ichnofacies, with emphasis not only on intensity but specific type of bioturbation, will further enhance palaeoclimatic and geographic reconstructions.
- Definition of what constitutes a key surface in dryland systems to make regional correlations more reliable and aid construction of sequence stratigraphic frameworks is needed. This will contribute to the further enhancement of predictive facies models in reservoir evaluation.
- The preservation potential of present day dryland geomorphological systems is poor

due to the dominance of high magnitude, low frequency events. A preservation bias towards high magnitude, low frequency flood events also exists in the rock record, with a proportionate lack of higher frequency "regular" flow regime deposits.

- Need for more analogue studies from the entire range of dryland settings: criteria for classification as a dryland river cannot be defined from one environmental setting only, or inferred from another.
- The need to increase understanding of tectonic and climatic signatures, not discounting subtle effects, thus addressing the key controlling factors of process magnitude and frequency. Cannot lose sight of the

combined influence of tectonics and climate.

In conclusion, a suite of characteristics specific to dryland systems has not, as yet, been identified; there is therefore a pertinent need for greater cross discipline discussion and agreement upon definitive terminology, in addition to further collaborative research. The conference was very successful mixing a broad range of expertise and interests, and hopefully the contacts made will lead to increased collaboration between geomorphologists, academic geologists and petroleum geologists. We would like to thank BP, Shell, Conoco, Anadarko Algeria, Exxonmobil and TotalFinaElf for sponsoring the core workshop and the conference.

*For additional information contact:  
Adrian Hartley, a.hartley@abdn.ac.uk, or  
Colin North, c.p.north@abdn.ac.uk,  
Department of Geology & Petroleum  
Geology, University of Aberdeen,  
Aberdeen AB24 3UE, Scotland, UK.*

## Report on the IAS Short Course 2002

HIGH-RESOLUTION SEQUENCE  
AND CYCLOSTRATIGRAPHY

An International IAS Short Course "Facies Analysis and high-resolution sequence- and cyclostratigraphy of fluvial to shallow-marine sequences" was held in Sofia, Bulgaria, September 9 – 13<sup>th</sup>, 2002. The course was organized by the Department of Geology and Paleontology, University of Mining and Geology, Sofia, in collaboration with the IAS as sponsoring organization. Leaders of the course were *André Strasser* (University of Fribourg, Switzerland), *Gary Hampson* (Imperial College, London, UK) and *George Ajdanlijsky* (University of Mining and Geology, Sofia). The course was attended by 17 students and professionals from academic and governmental organizations mostly from countries of Central and Eastern Europe: Bulgaria, Romania, Hungary, Estonia, Poland, Czech Republic, Germany, Sweden and USA.

The course was subdivided into three parts: (a) an introduction to the principles of sedimentary environments and processes, facies and stratigraphic architecture; (b) visits of outcrops of the Lower Triassic Series in N Bulgaria; and (c) final discussion.

The first two days were devoted to lectures: principles of siliciclastic and carbonate sequence stratigraphy, facies archi-

tecture and sequence stratigraphy in fluvial strata, reaction of shallow-marine carbonate systems to relative sea-level changes, cyclo- and high-resolution sequence stratigraphy in shallow-water carbonates, and the methods for reconstruction of high-frequency eustatic sea-level changes. The presentations were richly illustrated with concrete field and case-study examples and alternated with varied exercises. Through active discussion during the presentations new ideas were exchanged and tested.

The knowledge about the patterns of sedimentary cyclicity, acquired during the classroom days, was applied during the next two days in the field. Instructive outcrops of the Lower Triassic succession were visited in the area of the Iskar gorge, NW Bulgaria. Debris-flow, eolian, fluvial, mixed near-shore and shallow-marine examples of the Lower Triassic were observed.

The accent during the first day was on the terrestrial siliciclastic deposits of the Petrohan Terrigenous Group and the Svidol Formation. The development of braided, anastomosing and meandering elementary fluvial cycles was demonstrated. Special attention was paid to the types and the degree of development of paleopedogenic products and

synsedimentary deformations. The object of the second field day was one section of the Mogila Formation, situated near to Opletnya village. The participants acquainted themselves with the content, structure and hierarchy of the sedimentary cycles that build the shallow-marine limestone to dolomite succession. Depositional environments of individual facies assemblages, as well as sequence-stratigraphic and cyclostratigraphic aspects were discussed. Despite the rainy weather, the participants collected a lot of new information about the regional development of the Lower Triassic sedimentary series in NW Bulgaria.

The final day of the course was devoted to the discussion of issues raised in the classroom as well as in the field. In the afternoon, the "Giant Crystals" collection of the National Museum "Earth and Man" was visited.

The meeting was an important step toward the development of the regional network of sedimentologists who work in the field of cyclo- and sequence stratigraphy. Last but not least, the course established new contacts and gave rise to new ideas that may be developed in further projects.

*George Ajdanlijsky  
Department of Geology and  
Paleontology  
University of Mining and Geology  
Bulgaria  
e-mail: ajdanskyl@mgu.bg*

## MESOZOIC PALAEOCEANOGRAPHY IN RESPONSE TO PALAEOGEOGRAPHIC & PALAEOCLIMATIC FORCINGS

10-11 July 2003

University P. & M. Curie, Paris VI, France

The Laboratory of Palaeontology and Stratigraphy of the University P. & M. Curie (PARIS VI) invites you to participate and contribute to this workshop on "Mesozoic Palaeoceanography" to be held in Paris on 10 & 11 of July 2003. Scientists from different fields of geoscience will meet in Paris and discuss new results and future trends in Mesozoic Palaeoceanography. With the workshop we will provide a platform for discussions in a multidisciplinary context among sedimentologists, palaeontologists, geochemists, structural geologists and climate modelers.

The conference topics may include one or more of the following subjects (list non exhaustive):

- Reading palaeoceanography from the sedimentary record; Depositional environments and sedimentary dynamics.
- Reading palaeoceanography from the fossil and geochemical record.
- Palaeogeographic forcings; Opening and closure of gateways, isolated ocean basins and water mass "injection" events.

- Palaeoclimatic forcings; Real data and modelling of palaeoclimatic reconstructions.
- The biotic response to palaeoceanographic events; Bioevents, evolutionary trends and palaeobiogeography.
- Evolution of the marine biosphere and its impact to the biogeochemical cycles.
- Tethyan - Boreal connections and water-mass interaction.

The organizers welcome additional topics that participants wish to have included.

The conference site will be at the main office of the French Geological Society, 77 rue Claude Bernard, 75005 Paris. For all details, please contact the convenors of the conference: *Francois Baudin, UPMC-PARIS VI, E-mail: frbaudin@ccr.jussieu.fr, Taniel Danelian, UPMC-PARIS VI, Helmut Weissert, ETH Zürich, or Monique Troy (Secretary).*

## IAS POSTGRADUATE GRANT SCHEME

**I**AS 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.

Up to 10 grants, each of 1000 Euros, are awarded twice a year.

These grants are available for IAS members only, and only for postgraduates. The application must include a short CV and a budget. A letter from the supervisor supporting the application must be sent directly to the Treasurer of the IAS.

An application form is on our website (<http://www.blackwell-science.com/uk/society/ias>) or can be requested from the Treasurer's Office (IAS, Office of the Treasurer, Ghent University, Department of Geology and Soil Science, Krijgslaan 281/S8, B-9000 Gent, Belgium; E-mail: [Patric.Jacobs@rug.ac.be](mailto:Patric.Jacobs@rug.ac.be))

Applications must be sent to the Treasurer of the IAS.

**Application deadlines:**      **1st session:**      **March 31**  
    **2nd session:**      **September 30**

**Recipient notification:**      **1st session:**      **before June 30**  
    **2nd session:**      **before December 31**

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### LIST OF STUDENT MEMBERS WHO GOT GRANTS IN THE PAST SESSION

<u>Name</u>	<u>Institution</u>	<u>Financial support</u>
ANDERSSON, Daniel	University of Stockholm, Sweden	\$1,000
BORDONABA, Ana P.	University of Zaragoza, Spain	\$1,000
CARRIVICK, Jonathan	Keele University, UK	\$1,000
EHINOLA, Olugbenga A.	University of Ibadan, Nigeria	\$ 800
GIBERT, Luis	Polytechnical Univ. Catalunya, Spain	\$ 900
ILGAR, Ayhan	Gazino Duragi, Ankara, Turkey	\$1,000
NADER, Fadi	Khatolieke Univ. Leuven, Belgium	\$1,000

## CALENDAR

### 11TH MEETING OF SWISS

#### SEDIMENTOLOGISTS (SwissSed)

January 25, 2003, SWITZERLAND  
(Fribourg)

Contact: André Strasser,  
Department of Geosciences, Geology-  
Palaeontology,  
Pérolles, 1700

Fribourg, Switzerland.

Tel : +41 26 300 89 78

E-mail: andreas.strasser@unifr.ch

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### THIRD INTERNATIONAL LIMNOGEOLOGY CONGRESS

29 March - 2 April 2003, U.S.A. (Tucson,  
Arizona)

Contact: Andrew Cohen,

Dept. of Geosciences

University of Arizona

Tucson AZ, U.S.A.

Tel: +1 520 621 46 91

Fax: +1 520 621 26 72

E-mail: acohen@geo.arizona.edu

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### BRAIDED RIVERS 2003

April 7 -9, 2003, U.K. (Birmingham)

Contact: Greg Sambrook Smith

School of Geography & Environmental  
Sciences

University of Birmingham, Birmingham

B15 2TT, U.K.

Tel: + 44 (0)121 4158023

E-mail: g.smith.4@bham.ac.uk

Web-page: <http://www.cwr.bham.ac.uk/braid/>

### SUBMARINE SLOPE SYSTEMS: PROCESSES, PRODUCTS AND PREDICTION

April 28-30, 2003, Liverpool, U.K.

Contact: Steve Flint or David Hodgson,

Department of Earth Sciences

University of Liverpool, P.O.BOX 147

Liverpool L69 3BX, U.K.

E-mail: [flint@liverpool.ac.uk](mailto:flint@liverpool.ac.uk)

E-mail: [hodgson@liverpool.ac.uk](mailto:hodgson@liverpool.ac.uk)

Web-page: <http://www.slope2003.net>

### COASTAL SEDIMENTS '03

The 5th International Symposium on Coastal  
Engineering and Science of Coastal  
Sediment Processes

May 18 -23, 2003, U.S.A. (Clearwater Beach,  
Florida)

Contact: Darlene K. Gregory

Conference Secretariat

Tel: +1 361 939 90 04

Fax : +1 361 939 93 55

E-mail: [dgregory@coastalsediments.net](mailto:dgregory@coastalsediments.net)

Web-page: [www.CoastalSediments.net](http://www.CoastalSediments.net)

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### 3RD LATINAMERICAN CONGRESS OF SEDIMENTOLOGY

June 8-11, 2003, BRAZIL (Belém, Pará)

Contact: Dilce de Fátima Rossetti

Museu Paraense Emilio Goeldi

CP 399, Belém, Pará 66040-170

Brazil

E-mail: [latinoamericano@museu-goeldi.br](mailto:latinoamericano@museu-goeldi.br)

Web-page : [www.ufpa.br/latinamerican](http://www.ufpa.br/latinamerican)

**ALLUVIAL FANS**

June 8-13, 2003, SE SPAIN (Sorbas, Almeria)

Contact: Martin Stokes,

Department of Geology

University of Plymouth

Drake Circus, Devon, PL4 8AA, UK

E-mail: [alluvialfans@plymouth.ac.uk](mailto:alluvialfans@plymouth.ac.uk)

Web-page: <http://alluvialfans.net>

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**12TH BATHURST MEETING OF  
CARBONATE SEDIMENTOLOGISTS**

8-10 July 2003, U.K. (Durham)

Contact: Maurice Tucker or Moyra Wilson,

Department of Geological Sciences

University of Durham, Durham

DH1 3LE, U.K.

Tel: +44 191 374 25 24 / 25 01

E-mail: [M.E.Tucker@durham.ac.uk](mailto:M.E.Tucker@durham.ac.uk)

E-mail: [Moyra.Wilson@durham.ac.uk](mailto:Moyra.Wilson@durham.ac.uk)

Web-page: <http://www.dur.ac.uk/bathurst.2003/>

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**MESOZOIC PALAEOCEANOGRAPHY IN  
RESPONSE TO PALAEOGEOGRAPHIC  
& PALAEOCLIMATIC FORCINGS**

July 10-11, 2003, FRANCE (Paris)

Contact: Francois Baudin, UPMC-PARIS VI, E-

mail: [fbaudin@ccr.jussieu.fr](mailto:fbaudin@ccr.jussieu.fr)

Taniel Danelian, UPMC-PARIS VI

Helmut Weissert, ETH Zürich

Monique Troy (Secretary)

University P. & M. Curie

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**16TH CONGRESS OF THE  
INTERNATIONAL ASSOCIATION FOR  
QUATERNARY RESEARCH (INQUA)**

July 23 - 31, 2003, U.S.A. (Reno, Nevada)

Contact: M. Jones

Division of Hydrologic Sciences

Desert Research Institute

2215 Raggio Parkway, Reno

NV 89512, U.S.A.

E-mail: [inqua03@dri.edu](mailto:inqua03@dri.edu)

Web-page: <http://inqua2003.dri.edu>

**PRESENT STATE AND FUTURE  
EVOLUTION OF PALEOGENE  
STRATIGRAPHY**

**A Symposium of the International Sub-  
commission on Paleogene Stratigraphy**

August 26-30, 2003, BELGIUM (Leuven)

Contact: Noël Vandenberghe

Dept. Geografie-Geologie

Afd. Historische Geologie

KU Leuven, Redingestraat 16

B-3000 Leuven, Belgium

E-mail: [noel.vandenberghe@geo.kuleuven.be](mailto:noel.vandenberghe@geo.kuleuven.be)

Web-page: [www.unituebingen.de/geo/isps/news](http://www.unituebingen.de/geo/isps/news)

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**22nd IAS MEETING OF  
SEDIMENTOLOGY**

September 17-19, 2003

CROATIA (Opatija)

Contact: Davor Pavelic

IAS-2003, Institute of Geology, HR-10000

Zagreb, Sachsova 2, Croatia

Fax: +385 1 6144718

E-mail: [dpavelic@yahoo.com](mailto:dpavelic@yahoo.com)

Web-page: <http://www.igi.hr/ias2003>

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**8TH INTERNATIONAL SYMPOSIUM ON  
FOSSIL ALGAE**

September 18-20, 2003, SPAIN (Granada)

Contact: Juan C. Braga or Julio Aguirre

Departamento de Estratigrafía y Paleontología

Facultad de Ciencias

Universidad de Granada

Campus Fuentenueva s/n

18002 Granada, Spain

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**9<sup>TH</sup> FRENCH CONGRESS OF  
SEDIMENTOLOGY**

October 14-16, 2003, FRANCE (Bordeaux)

Contact: Thierry Mulder,

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Web-page: <http://www.epoc.u-bordeaux.fr/>

ASF/asf.html

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**FIFTH INTERNATIONAL CONFERENCE  
ON ASIAN MARINE GEOLOGY**

January 14-16, 2004, THAILAND (Bangkok)

Contact: Thanawat Jarupongsakul

Department of Geology, Faculty of Science,  
Chulalongkorn University,

Bangkok 10330, Thailand

Fax: (662) 2185464-5

E-mail: [thanawat@sc.chula.ac.th](mailto:thanawat@sc.chula.ac.th)

**LE 2<sup>ème</sup> COLLOQUE SUR LE  
JURASSIQUE MAROCAIN**

April 21-22, 2004, MOROCCO (Marrakech)

Contact: Prof. A. Ait Addi

Département de Géologie (FST)

B.P.: 549-Guéliz, Marrakech-Maroc

Tel: (212) 44 43 34 04

Fax: (212) 44 43 31 70

E-mail: [aitaddi@fstg-marrakech.ac.ma](mailto:aitaddi@fstg-marrakech.ac.ma)

Web-page: <http://www.ucam.ac.ma/fssm/cjm2>

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**23rd IAS MEETING OF  
SEDIMENTOLOGY**

September 15-17, 2004

PORTUGAL (Coimbra)

Contact: Rui Pena dos Reis

Universidade de Coimbra, Dpto. Ciências da  
Terra

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