

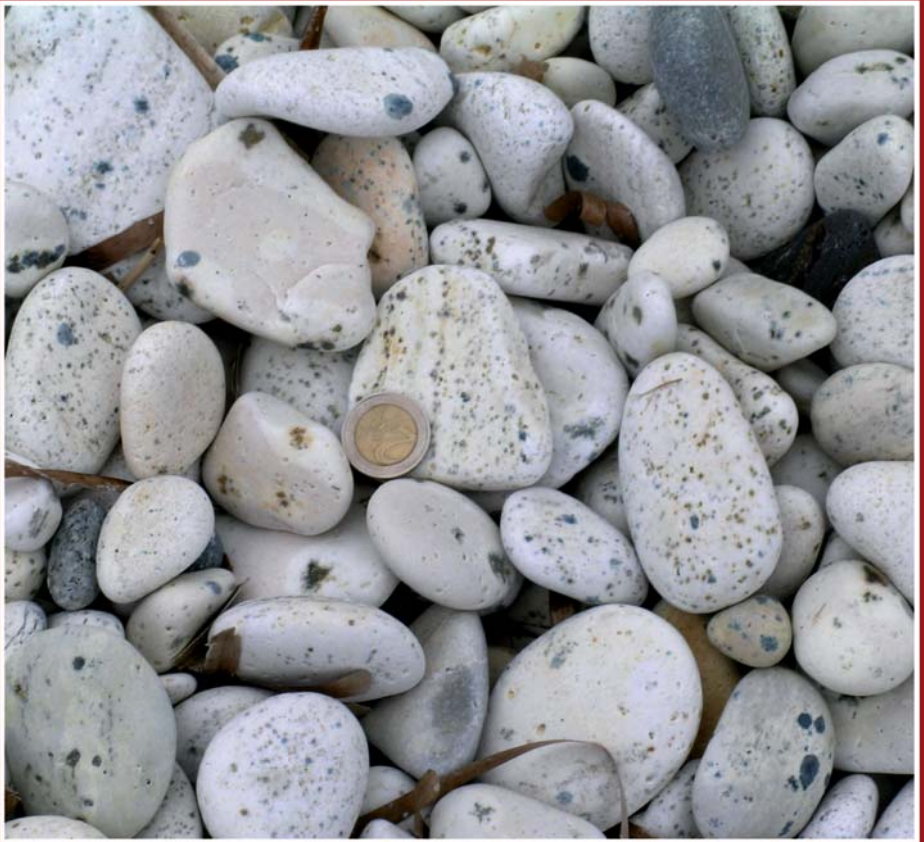
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International Association
of Sedimentologists

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EDITORIAL

Newsletter 244 is entirely dedicated to reports of events occurred in the past fall sponsored by the IAS; that is:

- 1) the IAS Meeting, Schladming, Austria, during September 2012
- 2), the 4th International Conference on Alluvial Fans, Ras Al-Khaimah (United Arab Emirates) during December 2012.
- 3) the IAS Summer School, Carbonera (Spain) in October 2012.

In the part dedicated to the announcement there is a brief description of the 1st School on Heavy Minerals and on the 5th Chinese Congress of Sedimentology.

At the end of the Newsletter it is placed a grain size chart that was given to the 86th Meeting of the Geological Society of Italy (partially sponsored by IAS).

I would like to remember that the next IAS Regional Meeting will be held

in 2013 in Manchester (UK) for details, please check: <http://www.sedimentologists.org/ims-2013>.

Electronic Newsletter (ENIAS) started in November 2011 continues to bring short information to members. For info on ENIAS contact Nina Smeyers at nina.smeyers@ugent.be.

Check the new Announcements and Calendar remembering that Meetings and events in CAPITAL and/or with * are fully or partially sponsored by IAS. For all these meetings, IAS Student Members travel grants are available. Students can apply through the IAS web site remembering, however, that to receive the travel grant potential candidates have to present the abstract of the sedimentological research they will present at the attending conference. More info @ www.sedimentologists.org

*Vincenzo Pascucci
(General Secretary)*

REPORT

29th IAS Meeting of Sedimentology

10th-13th SEPTEMBER SCHLADMING, AUSTRIA

The 29th IAS Meeting of Sedimentology was held in Schladming, Austria, on the 10th - 13th September 2012 between the magnificent southern walls of the Dachstein Massif and the scenic alpine summits of the Schladming Tauern with an idyllic landscape, colourful forests, golden light and countless mountain peaks seemingly close enough to touch. It featured a broad interdisciplinary scientific programme, an exciting range

of Pre- and Post-Meeting Field Trips 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 were other features.

The 29th IAS Meeting gathered 574 participants from 52 countries, and brought together all facets of sedimentology under the theme



Figure 1. Participants of the opening ceremony in the plenary lecture hall of Congress-Schladming



Figure 2. Opening ceremony, with addresses e.g. of the rector of the Montanuniversitaet Leoben (photo), the president of the IAS, the IAS General Secretary and the Editors of Sedimentology.

Sedimentology in the Heart of the Alps. As in previous IAS Meeting's, the Schladming Meeting had a strong scientific programme that had to be featured in three days: 37 scientific sessions grouped in 14 themes. In total nine convention rooms in the Congress-Schladming and the Sporthotel Royer (both of them were venue place), equipped with modern conference technologies guaranteed seven resp. eight parallel sessions in oral presentations and session specific days for the 'poster and beer' presentations. Although, participants were only be permitted to deliver one oral and one poster presentation as first author, the 29th IAS Meeting was structured in 250 oral and 255 poster presentations.

Theme sessions dealing with processes in sedimentation, marine and continental depositional environments, diagenesis and fluid flow, hazards - events - climate signature, sediments in mountain chains, stratigraphy and facies, basin analysis, hydrocarbon systems, sedimentary ore deposits, geophysics, and applied sedimentology constituted the main forum for scientific discussion within the three meeting days. 12 session conveners introduced their session by invited keynote lecturer: M. Hinderer (Technische Universitaet Darmstadt, Germany): *A sediment budget approach to large-scale source-sink studies*; J. Reitner (University of Goettingen, Germany): *Formation of exceptional*

Figure 3. Participants of the field trip 'End-Triassic crisis events recorded in platform and basin of the Austrian Alps. The Triassic/Jurassic and Norian/ Rhaetian GSSPs' following the explanations of the guide.





Figure 4. Participants of the field trip 'Mesozoic deep-water basins of the eastern Southern Alps (NW Slovenia)' with Mt. Mangart in the background

aragonite-gypsum microbialites in hypersaline lakes of Christmas Island (Line Islands, Central Pacific) - a window into past unorthodox microbial carbonate factories; K.M. Straub et al. (Tulane University, USA): Worlds big, small, and digital: Challenges and opportunities in meshing field observations with experiments and numerical models; J.C. Braga et al. (Universidad de Granada, Spain): Heterozoan cold-seep carbonates: Outer-ramp accumulations of chemosynthetic bivalves (Late Messinian, Guadalquivir Basin, S Spain; B. Wygrala & F. Nemes (Schlumberger Aachen Technology Center, Germany): Decision criteria and workflows for shale resource play assessments in sedimentary basins; A.G. Dawson (University of Aberdeen, Scotland): The identification of tsunami deposits in coastal sediment sequences; V.C. Vahrenkamp (Abu Dhabi Company for Onshore Oil Operations, UAE): The role of multi-scale depositional & diagenetic

heterogeneity for reservoir modelling; F. Neubauer (University of Salzburg, Austria): Geodynamic control of Cenozoic orogenic basins in the Alpine-Carpathian-Dinaric-Hellenic orogenic belt: What makes them different?; J. Halfar et al. (University of Toronto, Canada): Mid- and High-latitude coralline algal buildups and their use as paleoenvironmental archives; A. Godet et al. (University of Lausanne, Switzerland): Unlocking the message of drowning surfaces: What can be learnt from platform-to-basin integrated correlations?; F. Fournier et al. (Universite de Provence, France): Impact of depositional and diagenetic environments on the elastic properties and seismic expression of microporous platform carbonates (Urgonian limestone, SE France).

Other highlights of the 29th IAS Meeting were the plenary lectures. Leading geoscientist gave us new insights into important topics facing modern society: Knut Bjorlykke (University of Oslo, Norway):



Figure 5. Participants of the field trip 'Jurassic active continental margin deep-water basin and carbonate platform formation in the north-western Tethyan realm (Austria, Germany)':

Relationships between depositional environments, burial history and rock properties. Some principal aspects of diagenetic processes. Gianreto Manatschal (Universite de Strasbourg, France): Tectono-sedimentary processes in fossil and modern extensional settings. Kevin T. Pickering (University

College London, United Kingdom): Identifying tectonic and climatic drivers for deep-marine siliciclastic systems: Where do we think we are? We are very sorry about the plenary lecture cancellation of Prof. Adolf Seilacher; a few days in prior to his talk he had a serious accident.



Figure 6. Participants of the field trip 'Permian/Triassic boundary and Lower Triassic in the Dolomites, Southern Alps (Italy)'



Figure 7. Extreme weather conditions in the high up in the mountains did not hinder participants to take samples

Two new IAS awards were presented to the recipients during the Opening Ceremony of this 29th IAS Meeting: Gregor P. Eberli (University of Miami, USA) was the first recipient of the new Johannes Walther Award for his outstanding achievements in sedimentology as a mid-career scientist. His plenary lecture: *New dynamics in the shallow and the deep of carbonate platforms* was presented in the late afternoon of the 12th September. Stefano Andreucci (University of Sassari, Italy) was the first recipient of the Young Scientist Award. He introduced the session 'Aeolian sediments and environments' with the keynote lecture: *Dune-sourced alluvial fan system: Evidences from the Quaternary coastal apron fans of Porto Palmas (NW Sardinia, Italy)?*

One of the most attractive points of the 29th IAS Meeting was the possibility to join several geological field trips. The final field trip programme included seven pre- and post-meeting field trips of one and multiple-days in duration. The region surrounding Schladming enclosed a wide spectrum of sedimentary rocks, superbly exposed in the outcrops of the Eastern Alps. Three field trips visited type areas and numerous classical Mesozoic sites including GSSPs in the Northern Calcareous Alps (Leaders: S. Richoz, L. Krystyn, A. von Hillebrandt; Leaders: R. Lein, L. Krystyn, S. Richoz & H. Lieberman; Leaders: H.-J. Gawlick, S. Missoni, F. Schlagintweit & H. Suzuki). Two field trips examined Cenozoic sedimentary rocks in the Eastern Alps resp. in the Dinarides (Leaders: W. Gruber, R.F. Sachsenhofer & M.



Figure 8. Participants of the field trip 'Jurassic active continental magin deep-water basin and carbonate platform formation in the north-western Tethyan realm (Austria, Germany)' following the explanations of the guide on an exceptional, partly flooded outcrop after heavy rainfall few days before.

Wagreich; Leaders: I. Vlahovic, O. Mandic, E. Mrinjek, S. Bergant, V. Cosovic, A. de Leeuw, P. Enos, H. Hrvatovic, D. Maticec, G. Miksa, W. Nemeč, D. Pavelic, V. Pencinger, I. Velic & A. Vranjkovic). And, two field trips were focused on Mesozoic sediments in the Southern Alps (Leaders: S. Gorican, A. Kosir, B. Rozic, A. Smuc, L. Gale, D. Kukoc, B. Celarc, A.E. Crne, T. Kolar-Jurkovsek, L. Placer & D. Skaberne; Leaders: R. Brandner, M. Horacek & L. Keim¹). The enthusiastic and very interested groups and the wonderful late summer whether made all field trips unforgettable for participants and guides. All field trip guide books (in total 500 pages) are available as printed version in the Journal of Alpine Geology, volume 54.

The final short course programme was focused on two professional

development workshops, given by T. Phan and F. Richter (Schlumberger, Austria): *How Petrel can be a powerful tool for sedimentology?* and by R.J. Bakker (Montanuniversitaet Leoben, Austria): *Fluid inclusions in diagenetic environments.*

The social programme of this IAS meeting started in the evening of the 10th September with addresses and awards at the Opening Ceremony, and continued some minutes in prior to the scheduled programme with the Icebreaker Party. All participants enjoyed delicious Austrian dishes in the informal and pleasant atmosphere of Congress-Schladming. In the evening of the 12th September, around 280 participants attended the conference dinner of the 29th IAS Meeting, which was served in one of the Sporthotel Royer *****Superior restaurants included



Figure 9. The amusing atmosphere of the conference dinner...

by the special surprise of a play given by a local group of musician. Most participants were amused by our special Austrian dishes and the atmosphere... In the evening of the 13th September, we had to place emphasis on the public lecture of Wolfgang Frisch (University of Tuebingen, Germany): *Mountain uplift reflected in sedimentary record - the example of the Eastern Alps*, which was followed by a large interest in the audience.

On behalf of the chairpersons of the 29th IAS Meeting, we are pleased to acknowledge the sponsorship and support by our sponsors the IAS, OMV, Shell, Schlumberger, Geoconsult, Geologische Vereinigung, Nis AD, RAG, RioTinto, Salewa, Das Land Steiermark, Steiermärkische Sparkasse, Total, INA, Planai Bus|Reisen, Manner, and Schladminger Bier. We greatly acknowledge the support by the Geologische Vereinigung, Manner, RedBull, Schweizerbart Bomträger, Shell, and Steiermärkische Sparkasse to place nice publicity material in the meeting satchel.

The featured interdisciplinary exhibition occupied the foyer of the ground floor of Congress-Schladming. On three days, the booth of the IAS, Geological Survey of Austria,

Geologische Vereinigung, Keyence, Schweizerbart Bomträger, Springer, ThermoFischer and Wiley-Blackwell showcasing new technologies, products and services.

The 29th IAS Meeting of Sedimentology broke new ground in several ways:

- ◆ It was the first IAS Meeting that distributed two different conference flyers around the world, in printed and in electronic form: the venue flyer and the meeting flyer. additional to the circulars
- ◆ It was the first IAS Meeting in recent times with mostly international student volunteers from around the world.
- ◆ It was the first IAS Meeting in recent times with a public lecture.

The feedback we received on the 29th IAS Meeting of Sedimentology has been overwhelmingly positive and we thank everyone involved in the conference - participants, short course lecturer, field trip guides, student volunteers, exhibitors, sponsors, the convention staff of Congress-Schladming, Kulinarwerk, Sporthotel Royer, Schladming-Rohrmoos Tourist



Figure 10. Both chairpersons and our 20 student volunteers of the 29th IAS Meeting - 'The Green Staff': Miguel Bartolome (Spain), Anna Batsi (Greece), Elena Blinova (Russia), Ovidiu Chendes (Romania), Patrick Eisner (Austria), Elizaveta Golovina (Russia), Juliane Hentschke (Austria/Germany), Georgia Kostaki (Greece), Mare Laan (Estonia), Gerald Maier (Austria), Cristian Victor Mircescu (Romania), Sander Olo (Estonia), Julia Pankova (Russia), George Ples (Romania), Martin Pograjc (Slovenia), Roi Silva-Casal (Spain), Xia Wang (Germany/China), Wojciech Wroblewski (Poland), Xiaolin Zhou (China), Matija Zupan (Slovenia).

Office, and the people of Schladming - for making this meeting to such a wonderful experience for all, both scientifically and socially. The chairpersons of the 29th IAS Meeting would like to conclude this short report by thanking the IAS Bureau for its continuous support, with special emphasis to the work done by Nina

Smeyers, IAS Office of the Treasurer and Steven De Vriese, IAS Webmaster.

*Hans-Jürgen Gawlick, chairperson
IMS-2012
Sigrid Missoni, vice-chairperson
IMS-2012*

REPORT

4th International Conference on Alluvial Fans

(DECEMBER 2012, RAS AL-KHAIMAH, UNITED ARAB EMIRATES)

Five years after the last international meeting on alluvial fans in Banff (Alberta, 2007), the *4th International Conference on Alluvial Fans* has taken place in Ras Al-Khaimah (December 1-6, 2012), at the northern end of the United Arab Emirates. Under the

supervision of Asma al Farraj, Anne Mather and Adrian Hartley, some 30 geologists, geomorphologists and planetary scientists gathered for five days of presentations, posters, fieldtrips, and plenty of food. As often the case, the relatively compact number of



Figure 1. Field-trip day 1: alluvial-fan terraces abutting tectonized carbonates in the Musandam Mountains (photo J. Radebaugh).



Figure 2. Fieldtrip day 1: a group of participants gathering around the excursion guide over a proximal fan surface at Wadi Ghil (photo J. Radebaugh).



Figure 3. Fieldtrip day 1: medial fan outcrops at Wadi Ghil (photo P.L. De Boer).

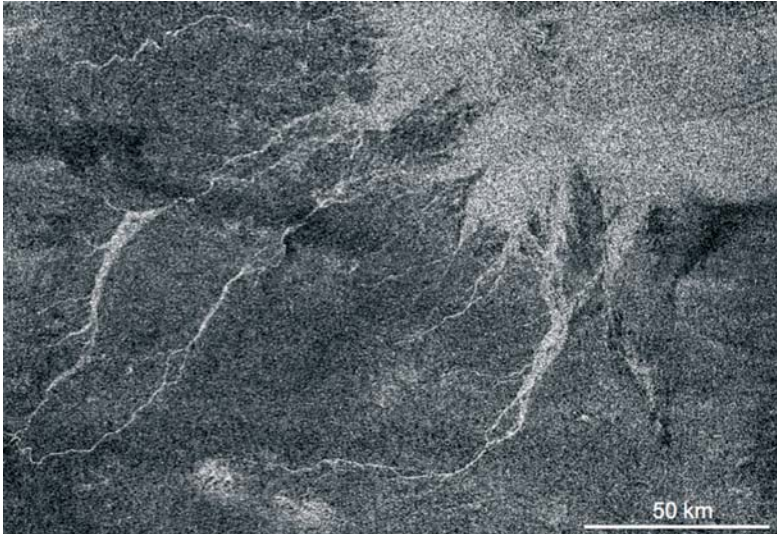


Figure 4. Elivagar Flumina: surface drainage patterns on Titan (image by the Cassini RADAR Team).

participants, most of whom had already met on various occasions previously, ensured a most pleasant and very informal atmosphere, ideal not only for the scheduled scientific communications, but also for the exchange of opinions and for lively debates, which are still abundant in matter of alluvial fans.

The scientific programme comprised two consecutive days of posters and oral presentations, hosted at the American University of Ras Al-Khaimah. Distributed over six thematic sessions, topics ranged from the geomorphology of present-day alluvial fans, fan catchments, tributary-junction fans and fluvial megafans, to innovative approaches in the experimental and field-based investigation of alluvial fans, and to the analysis of ancient fan successions in the stratigraphic record. An opening session was entirely

dedicated to case studies from the Middle East, which has long been one of the favourite playgrounds for fan research by Quaternary geologists and geomorphologists. An unprecedented final session was dedicated to growing research on alluvial fans (and associated processes) in extraterrestrial environments. Concepts and insights from alluvial-fan geology and geomorphology on Earth find ever increasing application in the exploration of planets and satellites in the Solar System, among which Mars and Titan figure as prominent. Thanks to the sophisticated technologies available to space research agencies, it is now possible to quantify processes and landforms on these remote worlds to an amazing detail. The audience was captivated by exotic images of



Figure 5. Final fieldtrip: dune-hopping along the Oman border (photo Y. Enzel).

organic sediments on cold, hazy Titan, and by the suggestive parallels between Martian environments and various Earth locations.

Days of presentations were preceded and followed by one-day field excursions to observe and discuss fans and geologic processes in the arid outdoors of the Arab Emirates. During the first day, attendants visited two classical localities of fan research at Wadi Ghil and Wadi Al Bih, along the western front of the spectacular Musandam Mountains, confirming the English adage (A. Mather, pers. comm.) that taking geologists out on a fieldtrip is like herding cats... The second excursion offered a geotraverse of the Semail Ophiolite complex across the Musandam Mountains and ended on the eastern coast near Fujairah, where scientific debate was put on temporary hold to enjoy a sumptuous Arabic lunch

on the beaches of the Gulf of Oman. Those who could remain longer were treated to a 4-days post-conference fieldtrip to explore linkages between aeolian, alluvial-fan and ephemeral-fluvial environments in the eastern Arab Emirates.

While still processing the information overload produced by four full days of fan (and fun)-centered discussion, the participants are grateful to the organizers for their efforts to set up a successful meeting, and we all look forward to hear where the forthcoming 5th international conference on alluvial fans will take place. Options are numerous, proposals are welcome!

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REPORT

4th IAS International Summer School of Sedimentology

30TH SEPTEMBER TO 7TH OCTOBER, 2012

A motley crew of 33 post-graduate participants converged on Malaga airport, southern Spain, in late September for the 2012 IAS Summer School. Students came from all corners

of the globe: from Argentina to Australia, the US to Russia to China, and a myriad of countries in between, giving the School a 'United Nations' flair.



The Summer School centred on the world-famous Neogene Sorbas and Tabernas Basins of southeastern Spain. We stayed in Carboneras, at the Hotel El Dorado Palace, a veritable smorgasbord of film memorabilia from the days when numerous films were shot on location in the desert region of Almeria (including numerous Spaghetti westerns, Lawrence of Arabia, Cleopatra, The Empire of the Sun, several Indiana Jones films, and an episode of the British sci-fi series Dr Who).

Subjects studied during the seven days included evaporites and carbonate sedimentology, tropical and temperate carbonates, turbidite sedimentology, cyclostratigraphy and astrochronology, and carbon isotope geochemistry and the global carbon cycle.

The program combined lectures and fieldwork, which gave us a fantastic opportunity to immerse ourselves in a diverse range of basin evolution geological settings. From sedimentary gravity flow deposits of the Tabernas Basin, to how changes in sea level affected Miocene reefs and clastic sediment infill histories, and from evaporite formation during the time of the Messinian salinity crisis, to investigations of how cyclostratigraphy and rock outcrops can be used to calibrate Neogene astrochronology.

One of the highlights of the program was all participants were required to give a 10 minute presentation to the group describing their dissertation research. Whilst most participants were initially hesitant of the presentation process, I think we were all ultimately very appreciative of the experience. This was the first time that some of us had

presented (let alone presented in English!), and while challenging, this opportunity allowed us to not only learn more about our peers but also contribute/receive constructive feedback in a safe, friendly environment. Students' research covered the full gamut of geological time from Holocene deposits in Kenya, through 1.7 Ga deposits in Siberia and gave a nice window into the diverse interests of sedimentologists worldwide.

We would like to thank Judith McKenzie and Nina Smeyers for organising the trip, the IAS for having the vision (and financial help) to run the Summer Schools, and all of the lecturers who gave a week of their time to show us the intricacies of the geology of SE Spain. So thank you Judy, Frits, David, Juan Carlos, Jose, Peter and Helmut for a truly rewarding experience. Long may the Summer School continue, and the general consensus of the students is that it would be awesome if the IAS could make this an annual event!

Finally, what else did we learn about each other's cultures? Well, the Dutch cannot sing to save their lives, the Argentineans and Colombians sing like angels (even the most depressing song on Earth sounds uplifting in Spanish), American girls really shouldn't rap, and English rugby songs have rather crude lyrics and actions..

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Note: The 4th IAS International Summer School of Sedimentology 2012, «Sedimentary Archives of Regional vs. Global Change: Case Study of Neogene Basins of Southern Spain» was held from 30 September to 7 October 2012 in Carboneras (Almeria, Spain) with the following lecturers: Drs. Juan Carlos Braga & José M. Martín (University of Granada, Spain), Dr. Peter D. W. Houghton (University College Dublin, Ireland), Dr. Frits Hilgen (University of Utrecht, The Netherlands), Dr. David Hodell (University of Cambridge, UK), Drs. Judith A. McKenzie & Helmut Weissert (ETH Zürich, Switzerland).



Figure 1. Tabernas Basin: Solitary Megabed Turbidite Channel, Group Photo



Figure 2. Agua Amarga Basin Coastline



Figure 3. Tabernas Basin: Solitary Megabed Turbidite Channel



Figure 4. Sorbas Basin: overview



Figure 5. Tabernas Basin: 'Rambla de Tabernas'



Figure 6. Tabernas Basin: overview



Figure 7. Russian Dancing in Carboneras



Figure 8. Sorbas Basin: The Dutch and the Italian ponder Astrochronology



Figure 9. Tabernas Basin: travertine

ANNOUNCEMENT

1st School of Heavy Mineral Analysis

7th-10th MAY, MILAN, ITALY

Conveners:

Sergio Andò and Eduardo Garzanti
Dipartimento di Scienze
dell'Ambiente del Territorio e di Scienze
della Terra,

University of Milano-Bicocca, Italy.

Luca Caracciolo

Dipartimento di Scienze della Terra,
University of Calabria, Italy.

The purpose of this school is to introduce young geoscientists involved in heavy mineral identification and provenance studies of sediments and sedimentary rocks. Students will be showed how long standing problems concerning the appropriate identification of detrital minerals can be identified with new powerful and textural technique.

After detailed analysis of most common and some rare groups of heavy minerals, we will illustrate a wide range of examples from real case histories from different environments and geological settings in different areas of the world.

We aim at improving our capability to extract information from detrital sediments and collecting quantitative mineralogical data.

Furthermore problems related to hydraulic sorting, chemical weathering in hot humid climates and diagenesis will be tackled.

Finally, we will illustrate how Raman spectroscopy can allow us to correctly identify any heavy

mineral in grain mounts as in thin sections. By using this innovative technique we can assess

the chemical variability within heavy-mineral groups and correlate their diagnostic chemical signatures with different source rocks.

The school will benefit of contributions from a wide range of geoscientists that will complete the spectrum of related topics, spanning from single grain geochemistry, to statistical techniques and data evaluation to petroleum research.

Registration: Will be announced November, 15th 2012, through website: <http://www.ighg.it/SedPetr/SEDPETR/welcome.html>

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5th Chinese Congress of Sedimentology, Hangzhou

16TH-20TH OCTOBER, 2013, CHINA

The Chinese Congress of Sedimentology is the largest scientific forum every four years for the community of sedimentologists in China. The 5th Chinese Congress of Sedimentology will be held in Hangzhou, the capital city of Zhejiang Province and an extremely scenic city in China, from 16th -20th October 2013.

The 5th Congress is organized by the China National Petroleum Corporation (CNPC) and its affiliating Research Institute of Petroleum Exploration & Development (RIPEDE), and sponsored by the «Commission on Sedimentary Geology, Geological Society of China», and the «Commission for Sedimentology, Chinese Society of Mineralogy, Petrology and Geochemistry», as well as other academic associations.

This congress, entitled «Innovation and Energy», includes thirteen sessions. We are pleased to invite you to participate, whether from academic or

industrial community, as well as students. International scientists are welcome to present state-of-the-art research developments.

All participants are invited to submit abstract. Those well-prepared abstracts might be chosen to extend and be published in key journals in China. One attractive points of the conference will be the possibility to join some of the four field excursions after the congress. Please check [http://www.lyf\[‘YO.com](http://www.lyf[‘YO.com) (or <http://a.huazilong.com/>) or email to the secretariat Dr. Rukai Zhu (zrk@petrochina.com.cn) for more details.

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Special IAS Grants or 'Institutional IAS Grants'

Special IAS Grants or Institutional IAS Grants are meant for capacity building in 3rd world countries. There exists a list of 'Least Developed Countries' (LDC) by the UN. This list categorizes countries according to income per capita and is yearly updated.

Grants are allocated to allow Geology Departments in LDC to acquire durable sedimentological equipment for teaching and research (like sieves, calcimeters, auger drilling tools, etc.) or tools that can be used by all geology students (like general geology/sedimentology textbooks, IAS Special Publications (SP), memory sticks with back issues of Sedimentology or SP, etc). Therefore the grant application should clearly demonstrate to increase the recipient's capacity to teach sedimentology at the undergraduate level (Bachelor) in a durable way. It should also indicate in what way it would enable to support sedimentological research at the graduate level (Master).

Applicants should have a permanent position at their University and should

be IAS members. Applications should provide the following information (not exhaustive list):

- ◆ the mission statement of the University/Geology Department
- ◆ the approval of the University Authorities to accept the grant
- ◆ a list of permanent teaching and technical staff members of the Geology Department (with indication of their area of research)
- ◆ the structure of the geology undergraduate and graduate courses (Bachelor/Master programme with indication of courses and theoretical and practical lecture hours)
- ◆ the number of geology students
- ◆ the actual facilities for geology/sedimentology students
- ◆ a motivation of application
- ◆ a budget with justification
- ◆ the CV of the applicant, including a sedimentology research plan

The institutional grant scheme consists each year of 2 sessions of 1



grant of 10.000 Euro. Applications run in parallel with the PhD research grant scheme (same deadline for application and recipient notification). The IAS Grant Committee will seek recommendations from relevant National Correspondents and Council Members (eventually including visitation) before advising the IAS

Bureau for final decision. Additional funds made available by the recipient's University are considered as a plus.

Items listed in the application will be bought through the Office of the IAS Treasurer and shipped to the successful applicant. By no means will money be transferred to the grant recipient.

IAS STUDENT GRANT APPLICATION GUIDELINES

Application

The application should be concise and informative, and contains the following information (limit your application to 1250 words max.):

- ◆ Research proposal (including Introduction, Proposal, Motivation and Methods, Facilities) – max. 750 words
- ◆ Bibliography – max. 125 words
- ◆ Budget – max. 125 words
- ◆ Curriculum Vitae – max. 250 words

Your research proposal must be submitted via the Postgraduate Grant Scheme application form on the IAS website before the application deadline. The form contains additional assistance details for completing the request. Please read carefully all instructions before completing and submitting your application. Prepare your application in 'Word' and use 'Word count' before pasting your application in the appropriate fields.

Recommendation letter (by e-mail) from the PhD supervisor supporting the applicant is mandatory, as well as recommendation letter (by e-mail also) from the Head of Department/Laboratory of guest institution in case of laboratory visit.

Please make sure to adequately answer all questions.

Deadlines and notifications

Application deadlines:

1st session: March, 31

2nd session: September, 30

Recipient notification:

Before June, 30

Before December, 31

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 the IAS by e-mail before the application deadline.

Application Form

Research Proposal (max. 750 words)

Title:

Introduction (max. 250 words):

Introduce briefly the subject of your PhD and provide relevant background information; summarise previous work by you or others (provide max. 5 relevant references, to be detailed in the 'Bibliography' field). Provide the context for your PhD study in terms of geography, geology, and/or scientific discipline.

Proposal (max. 250 words): ...

Describe clearly your research

proposal and indicate in what way your proposal will contribute to the successful achievement of your PhD. Your application 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 (max. 125 words):

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. Justify why you need to undertake this research.

Facilities (max. 125 words):

Briefly list research and study facilities available to you, such as field and laboratory equipment, computers, library.

Bibliography (max. 125 words)

Provide a list of 5 key publications that are relevant to your proposed research, listed in your 'Introduction'. The list should show that you have done adequate background research on your project and are assured that your methodology is solid and the project has not been done already. Limit your bibliography to the essential references. Each publication should be preceded by a '*' -character (e.g.

*Suryk et al., *Sedimentology* 42, 323-354, 1995).

Budget (max. 125 words)

Provide a brief summary of the total cost of the research. Clearly indicate the amount (in Euro) being requested. State specifically what the IAS grant funds will be used for. Please list only expenses to be covered by the IAS grant.

The IAS will support field activities (to collect data and samples, etc.) and

laboratory activities/analyses.

Laboratory activities/analyses that consist of training by performing the activities/analyses yourself will be considered a plus for your application as they will contribute to your formation and to the capacity building of your home institution. In this case, the agreement of the Head of your Guest Department/Laboratory will be solicited by automated e-mail.

Curriculum Vitae (max. 250 words)

Name, postal address, e-mail address, university education (degrees & dates), work experience, awards and scholarships (max. 5, considered to be representative), independent research projects, citations of your abstracts and publications (max. 5, considered to be representative).

Advise of Supervisor and Head of Guest Department/Laboratory

When you apply for a grant, your PhD supervisor will receive an automated e-mail with a request to send the IAS a letter of recommendation by e-mail. You should, however, check with your supervisor everything is carried out the way it should be. It will be considered as a plus for your application if your PhD supervisor is also a member of IAS.

Supervisor's name:

Supervisor's e-mail:

If you apply for laboratory analyses/ activities, please carefully check analysis prices and compare charges of various academic and private laboratories as prices per unit might differ considerably. Please first check whether analyses can be performed within your own University. If your University is not in a position to provide you with the adequate analysis tools, visiting another lab to conduct the analyses yourself strengthens your application considerably as it

contributes to your formation and to capacity building of your home University. Please check with the Head of Department/Laboratory of your guest lab to assure its assistance during your visit. You should fill in his/her name and e-mail address to solicit his/her advise about your visit.

Name of Head of guest Department/Laboratory:

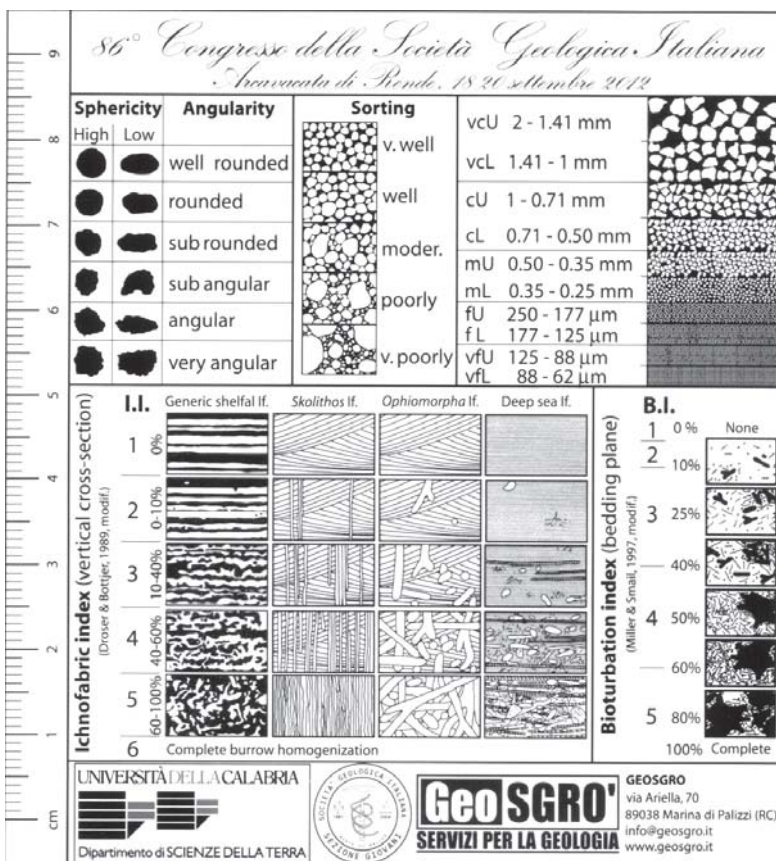
E-mail address of Head of Guest Department/Laboratory:

Finally, before submitting your

application, you will be asked to answer a few informative questions by ticking the appropriate boxes.

- ◆ is your supervisor a member of IAS
- ◆ was this application your own initiative
- ◆ did you discuss your application with your Supervisor
- ◆ did you already had contact in the past with the Head of the Guest Department/Laboratory (if appropriate)

GRAIN SIZE



CALENDAR

The 2nd International Conference on Environmental Studies and Research, «Natural Resources and Future Challenges»

25th-27th February
2013
Sadat Branch,
Egypt

Rifai I. Rifai
Environmental Studies and Research Institute
Minufiya University - Sadat Branch
conference@env.menofia.edu.eg
<http://esrisadat.menofia.edu.eg>
www.facebook.com/nrfconference

The 6th International Symposium on Lithographic Limestone and Plattenkalk

4th-8th March
2013
Museo del Desierto
Saltillo
Mexico

Christina Ifrim
Arturo Gonzalez Gonzalez
Wolfgang Stinnesbeck
ISLLP2013@geow.uni-heidelberg.de

EGU - GENERAL ASSEMBLY*

7th-12th April
2013
Vienna
Austria

<http://www.egu2013.eu/home.html>

1st School of Heavy Mineral Analysis*

7th - 10th May
2013
Milan
Italy,

sergio.ando@unimib.it
luca.caracciolo@unical.it
<http://www.ighg.it/SedPetr/SEDPETR/welcome.html>

1st International Congress on Stratigraphy - STRATI2013

1st-7th July
2013
Lisbon
Portugal

<http://www.strati2013.org>

The 10th International Conference on Fluvial Sedimentology (ICF)*

14th - 19^d July
2013
Leeds
United Kingdom

Dan Parson
d.parsons@hull.ac.uk
<http://www.icfs10.co.uk/>



30th IAS MEETING OF SEDIMENTOLOGY*

2nd-5th September
2013
Manchester,
United Kingdom

Merren Jones
merren.jones@manchester.ac.uk
www.ias2013.com

7th European Symposium on Fossil Algae

9-11 September
2013
Schladming
Austria

Hans-Juergen Gawlick
ifaa2013@unileoben.ac.at
<http://web.ku.edu/~ifaa/home.html>

11th Workshop on Alpine Geological Studies

9-12 September
2013
Schladming,
Austria

Walter Kurz
alpine-workshop2013@uni-graz.at
<http://alpine-workshop2013.uni-graz.at/>

5th Chinese Congress of Sedimentology*

16th -20th October
2013
Hangzhou
China

Dr. Rukai Zhu
Research Institute of Petroleum E & D, PetroChina
zrk@petrochina.com.cn

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