

ISSN 2294-4931

# IAS

NwLtr 264

October 2016

[www.sedimentologists.org](http://www.sedimentologists.org)



**International Association  
of Sedimentologists**

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## EDITORIAL

Newsletter 264 reports on the 6<sup>th</sup> IAS Summer School was held in Alghero from September, 26<sup>th</sup> to October, 1, 2016. It was attended by 31 motivated and enthusiastic students coming from all-over the world. Students and teachers were host for the entire time of the school in Alghero and lectures given at lecture hall of the Santa Chiara Complex of the University of Sassari. The teacher team was composed by: Dan Bosenec, Giovanna Della Porta, Wojtec Nemec, Massimiliano Ghinassi, Helmuth Weissert, Marcello Tropeano, Stefano Andreucci, Paolo Francalacci and Vincenzo Pascucci.

Comments on the school done by participants are mostly positive, however some negative have been done as well, such as: the school was too short, little time for students presentation, English of students was not at very high level, biology lecture not necessary.

A synthesis of the programme, pictures and some comments is reported in the Newsletter.

Pictures are from Asefeh Golreihan, Silvia Zapelloni and Vincenzo Pascucci.

Please note that a new research grant has been launched: the Early Career Scientists Research Grants.

On behalf of the work carried by Early Career Scientists Committee IAS is on Facebook.

Student Grant applications guidelines close the Newsletter.

IAS has restyled the webpage ([www.sedimentologists.org](http://www.sedimentologists.org)): please have a look at it, log in and fill the spaces under your profile, and renew your membership for 2017. Remember that being an IAS member gives you the following benefits:

- ♦ access to the online versions of Sedimentology and Basin Research, including all issues ever published;
- ♦ access to the printed versions of Sedimentology and Basin Research at very favourable rates;
- ♦ access to the IAS Member Directory;
- ♦ the Friendship Scheme which gives free membership to people in less-developed countries;
- ♦ the electronic Newsletter;

- ◆ a network of National Correspondents, which report on the activities in their countries;
- ◆ International Sedimentological Congress every four years at reduced fees;
- ◆ annual Regional Meeting and meetings sponsored by the IAS at reduced fees;
- ◆ special lecturer tours allowing sedimentology groups to invite a well-known teacher to give talks and short courses in their country;
- ◆ travel grants for PhD student members to attend IAS sponsored meetings;
- ◆ research grants for PhD student members (maximum 1.000 Euros);
- ◆ institutional grants for capacity building in 'Least Developed Countries' (LDC), (maximum 10.000 Euros)
- ◆ biannual Summer Schools focused on cutting edge topics for PhD student members.

I would like to remind all IAS members that:

- ◆ the IAS Newsletter 264 is published on-line and is

available at: <http://www.sedimentologists.org/publications/newsletter>

- ◆ the next IAS Meeting will be held in Toulouse (France) from 10 to 12 October 2017. For details, please click: <https://www.sedimentologists.org/ims2017>

The Electronic Newsletter (ENIAS), started in November 2011, continues to bring monthly information to members. For information on ENIAS contact [ias-office@ugent.be](mailto:ias-office@ugent.be)

Check the new Announcements and Calendar. Meetings and events shown in CAPITAL LETTERS and/or with \* are fully or partially sponsored by IAS. For all of these meetings, IAS Student Member travel grants are available. Students can apply through the IAS web site. To receive the travel grant, potential candidates must present the abstract of the sedimentological research they will present at the conference. More info @ [www.sedimentologists.org](http://www.sedimentologists.org)

*Vincenzo Pascucci  
(IAS General Secretary)*

## THE 6<sup>TH</sup> IAS SUMMER SCHOOL

### The School

*SEDIMENTS: FROM LAND TO SEA*

*ARCHIVES OF GLOBAL CHANGE - MESOZOIC AND CENOZOIC*

*September, 26<sup>th</sup> to October, 1<sup>st</sup>, 2016*

Alghero, Sardinia (Italy), University of Sassari – Lecture hall c/o Santa Chiara complex, Department of Architecture, Design and Planning, Alghero.

#### Topics of the school

“Sediments - From Land to Sea”

Fluvial sediments, architecture of fluvial sediments; sedimentology of neritic carbonates (Jurassic-Cretaceous), paleoclimatology: record of Pleistocene sea level change in coastal sediments, Proxies of climate change in the geological past, marine sediments as paleoclimate archives.

Lecturers include Vincenzo Pascucci (University of Sassari), Giovanna della Porta (University of Milano), Dan Bosence (Royal Holloway University, London), Wojciech Nemeć (University of Bergen), Massimiliano Ghinassi (University of Padova), Helmut Weissert (ETH Zurich).

#### Programme

The school was organized in 6 days: three theory in classroom and three practical on field.

#### Fluvial Systems: their varieties, depositional architecture and stratigraphic analysis

Teachers: Massimiliano Ghinassi (Padova University) & Wojciech Nemeć (Bergen University)

#### Day 1 - Lecture 1

Fluvial systems: aim was to learn how such ancient systems can be analysed in outcrops and subsurface. Lectures were addressed to the following main topics:

- ♦ Sediment transport by unidirectional water flow: hydraulic bedforms vs. bars
- ♦ Main controls on fluvial system
- ♦ River hydraulics and morphodynamics: channel planform patterns
- ♦ River floodplain environment
- ♦ Lessons from laboratory and numerical simulations
- ♦ Analysis of fluvial deposits in outcrops and subsurface
- ♦ Modelling of fluvial palaeochannels as reservoir units

- ♦ Sequence stratigraphy of alluvial successions

### **Day 2 - Field Trip 1**

Field trip on the Permo-Triassic fluvial deposits cropping out at Porticciolo and Cala Viola area (15 km northwest from Alghero).

### **Carbonates through Time**

Teachers: Giovanna Della Porta (Milano University) & Dan Bosence (Royal Holloway University)

### **Day 3 - Lecture 2**

Changes driven by evolutionary (biotic) changes (1st order evolutionary changes of reef builders, bioclast producers and carbonate factories. Changes driven by seawater chemistry (primary mineralogy of ooids and marine cements, calcite vs aragonite seas, control on skeletal mineralogy). Significance of these changes in palaeoenvironmental interpretations and in exploration for hydrocarbons.

Various field examples of microbial factories, greenhouse vs. icehouse, calcite vs. aragonite seas etc. and of the microbial carbonate factory through time.

Jurassic- Cretaceous platforms. Cyclicity in Jurassic shallow-water carbonates.

### **Day 4 - Field trip 2**

Field trip on Jurassic-Cretaceous deposits cropping out at Capo Caccia Promontory (18 km north from Alghero).

Jurassic Cretaceous platforms. Open vs restricted platforms. Oolitic, Rudist bearing and bioclastic limestones. Emersion and drowning, bauxite horizons and Karst surfaces.

### **Climate change in the geological past**

### **Day 4 - Lecture 3**

Teacher: Helmut Weissert (ETH Zurich)

The trilogy: carbonates-carbon cycle-climate. An introduction on reading carbon isotopes in limestones.

Teacher: Vincenzo Pascucci (Sassari University)

Late Quaternary to Holocene climate changes, human impact and climate changes, how can we get info from sediments on climate?

Teacher: Stefano Andreucci (Cagliari University)

Optical Stimulating Luminescence late Quaternary age dating technique: recent updates.

Teacher: Paolo Francalacci (Sassari University)

Climate changes and humans migrations

### **Day 4 - Field trip 3**

Field trip on late Quaternary deposits cropping out along the southern coast of Alghero (1 km south from Alghero).

Siliciclastic and carbonate deposits were analysed to understand climate changes occurred during the last 140 ka. Attention was also be given to human artefact of the last 500 years to define the recent sea level changes.

## Report on the School by Yoav Ben Dor

**D**ear All,

I am writing this letter after having participated in the 6th IAS international summer school in Alghero, Sradinia, between September 26th and October 1st 2016, under the theme: “Sediments: from Land to Sea - Archives of global change - Mesozoic and Cenozoic”.

### **Words of Gratitude**

I would like to open this letter with sincere words of gratitude to the organizers, led by the general secretary of the IAS, Vincenzo Pascucci from Università degli Studi di Sassari, Italy. The theme of the school covered several major topics of sedimentology, ranging from basic understanding and interpretation of clastic sedimentary systems, carbonaceous rocks

and tertiary sediments and their importance in reconstructing global processes. All teaching staff was highly qualified for the complex task, and showed, amongst other characteristics, high levels of didactic qualities and clarity with humor, openness and

friendliness. The relationship was very comfortable and open, and extensive discussions were carried in both official and unofficial forms during field trips, dinner or walking from the classroom.

The selection of topics and participants was also very well thought, as the school offered a varied plate of topics for people of varied backgrounds, thus providing us participants with the opportunity to learn more about our individual field of research, while widening our horizons. The pleasant, calm and friendly atmosphere further helped everyone to feel welcomed and engage in fertile discussions and personal talks.

I was delighted and very touched to see how important the proper operation of the school and the well-being of all participants was to the organizers and to Prof. Pascucci in particular. Time after time, Prof. Pascucci helped with each individual trouble or discomfort that rose and went through a lot of effort to assist everyone with his or her personal needs. Moreover, he always seemed happy to do so, and carried all arrangements with a smile.

## A Short Personal Report

### *First Session: Siliciclastics*

My previous background with siliciclastic was focused to the fields of mineralogy,

geochemistry, provenance studies and weathering, which I researched during my M.Sc. studies. The opportunity to hear directly from Wojciech Nemeč and Massimiliano Ghinassi who mastered the study of sedimentary processes and their implications in fluvial environments was priceless. The vast topic was clearly explained and depicted by the two, who used well-organized presentations, which they kindly shared with us students after the talks. The field trip to the scenic views of the Sardinian coastline, where Paleozoic sandstones gently incline towards the sea, was a great opportunity to examine the knowledge provided in class the day before. I was enthusiastic to see how simple and organized work along an

exposure can reveal its sedimentary story, environment of deposition and paleo-currents. The work was carried in several small groups, which worked on partially overlapping segments of the exposure, thus helping in forming tighter social connections with other group members, alongside fertile discussions with neighboring groups. This very insightful day was topped with a visit to one of the finest restaurants I have visited, right on the coastline, which offered us an amazing dinner.

### *Second Session: Carbonates*

The carbonate section of the course was gracefully delivered by Dan Bosence and

Giovanna Della Porta who did an amazing job in presenting some topics from a very interesting and vast topic. The introductory presentations made sure that everyone understand the basic jargon and concepts, and helped me with clarification of some of the terms. The presentation on the



*Figure 1 - Massimiliano Ghinassi concluding the findings of the field trip to the Paleozoic siliciclastic succession, where the topics of siliciclastic sedimentology were practiced and discussed*



*Figure 2 - standing on the unconformity hidden within the Cretaceous carbonaceous succession of limestones in Capo Caccia.*

cyclicality of carbonate successions and the formation of organic and inorganic carbonates were both interesting and crucial for as part of the preparation for the field trip. The day of the field trip was hot, but curiosity levels were also high. We followed the Cretaceous unconformity within the carbonaceous platform, exposed on the semi-vegetated scenic cliffs of northwestern Sardinia on the road to Capo Caccia. We later followed the staircase down towards the Grotta di Nettuno, and witnessed the succession again, this time from the hanging cliffs of the rocky terrane, dropping straight into the sea. The opportunity to study this unconformity accompanied with the thorough explanations and fruitful discussions with Dan and Giovanna justified every drop of sweat. This thrilling, yet physically exhausting day, was once again celebrated with a lovely Sardinian dinner in a pleasant restaurant on the countryside, where we could discuss and talk over fine food and excellent wine.

### *Third Session: Quaternary Sedimentology*

Being my field of current interest, I found this session to be the most intriguing and fascinating one. The talks by Helmut Weissert and Vincenzo Pascucci, who discussed the clues of previous climatic processes that can be studied from lithological archives, were both interesting and enlightening. From my discussions with other participants, it was evident that even the students who focus on clastic sedimentology for resources exploration found this topic very interesting. Talks regarding luminescence dating methods and the principles of genetic studies in Europe and Sardinia, further complemented the subject and provided some more interesting ideas and discussions. The field trip that followed, by the shores of Alghero, clearly demonstrated that some key questions regarding climate change and global processes can be studied with a basic hammer



*Figure 3 - studying quaternary beach deposits and discussing their climatological implications in Al-Tro bay.*

and a lens (provided that you have an OSL lab) right in our backyard. Vincenzo and his local colleagues described the phenomena, explained the depositional processes and their implications to everyone, and followed a very clear line of thought. I was thrilled to see all these phenomena and hear of their implications, including the submerged quarries and the fossilized deer tracks. This amazing day, which in my opinion was the best finish for the summer school, was celebrated with a great dinner at a local pizza and a huge, well-deserved round of applause to Vincenzo, the teachers and the organizing personnel.

### **Recommendations**

1. Shorten lecture days. I realize this is hard, but there is a limit for much can you achieve in 6 days. Very long days are very hard to follow and may even be less efficient.
2. Space up students' presentations. Condensed

presentation sessions are very hard to follow. This really makes it hard for the audience and the last presenters, in particular.

3. Add another day/half-day. This addition can help in achieving one and two.

### **Words of Conclusion**

As my first international experience outside of my small home country, this summer school

was probably the best that I could wish for. With a great line of topics, great and dedicated teachers, interesting participants from all over the world and a calm, cozy atmosphere accompanied by fine Sardinian wine, the school has set a very high standard. With an approachable and friendly staff that was more than willing to openly discuss questions and help with their field of expertise, the school also provided a great opportunity to learn new things, meet new people, make new friends and

meet future colleagues. I would like to congratulate all the organizers for the successful operation, and express my deep gratitude to anyone who taught, organized or took part in preparations, during or after the school. I would also like to thank the IAS for the travel grant that made this travel possible for many others and me.

Truly Yours,  
*Yoav Ben Dor, Ph.D. Candidate  
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*Figure 4 - Grazie Mille, Vincenzo, è stato un piacere!*

## Comments On The Summer School

Dear Vincenzo,

It was a pleasure to be in the amazing summer school that you arranged and I would like to say thanks a million again. It's a pity that I had no chance to say a proper goodbye because my flight was early in morning.

Since you and some other participants don't have facebook account I will email the dropbox link. I am also looking forward to have the presentations and the pictures that other people took.

By the way, I hope you will find a chance to replace the National Correspondent of Iran with a more active person. I would be really happy to take this responsibility but anyways the only things that matters is having an active person who will really do something.

I would like to keep in touch with you also about OSL. Since I am dealing with so many similar based techniques. I am interested in understanding and developing these methods. If there is any research position available about this please let me know.

Best regards,  
Asefeh

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Respected Sir,

Firstly, I have reached home safely and hope everything is fine at yours end also. I anticipate this email will connect you after returning home; I am sorry about though.

It is my pleasure to giving thanks to you people for organising such an inspiring

and highly useful summer school. You people have given me strategies to manage behaviour in a much more confident and effective manner.

This was fantastic! I have learnt fluvial sedimentology and Quaternary sea-level history and excited to be able to learn more in future.

Nice to meet you. Hope to see you once again !

More sooner !

Thanks and Regards

Sujay B.

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Ciao Vincenzo!

Thank you, once again, for inviting me to give the short course with Gino, and thank you also for the good time in Alghero and for the bottles of fantastic 'medicina' in my hotel room.

Below is a letter that should have been sent to you.

All the best wishes and regards,  
Wojtek

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Vincenzo  
Back hope to some rather cooler weather.  
Thanks again for the hospitality. You did a very good job with the summer school.  
Best wishes  
Dan

# Frames from the 6<sup>th</sup> IAS Summer School









<p><b>Agustin Arguello Scotti Argentina</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Agustin Arguello Scotti Argentina</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Aleksandra Smyrac-Sikora Poland</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Aleksandra Smyrac-Sikora Poland</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	 <p>The 6th IAS Summer School Alghero 2016</p>  <p>The 6th IAS Summer School Alghero 2016</p>
<p><b>Vincenzo Pascucci Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Vincenzo Pascucci Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Giovanna Della Porta Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Giovanna Della Porta Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	
<p><b>Dan Bosence United Kingdom</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Dan Bosence United Kingdom</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Wojciech Nemec Norway</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Wojciech Nemec Norway</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	
<p><b>Massimiliano Ghinassi Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Massimiliano Ghinassi Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Helmut Weissert Switzerland</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Helmut Weissert Switzerland</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	
<p><b>Paolo Francalacci Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Paolo Francalacci Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Stefano Andreucci Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	<p><b>Stefano Andreucci Italy</b></p> <p>The 6th IAS Summer School Alghero 2016</p> 	

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## Early Career Scientists Research Grants

Post-Doctoral Research Grants are intended as a seed to assist early-career post-doctoral researchers in either establishing a proof of concept, in order to support applications to national research funding bodies, or to fund areas of a project that were not included in the original project scope.

Up to 4 grants, each to a maximum of €2,500, are awarded twice per year to Early Career IAS members – those that have secured their Ph.D. within the previous 7 years.

Applicants should apply for a Post-Doctoral Research Grant via the IAS website. The application requires submission of a research proposal with budget and CV (template provided on the submission webpage), and a letter of support from the researcher's supervisor, line manager or Head of School.

### Eligibility:

- ♦ Applicants must be full members of the IAS.
- ♦ Applicants must have secured their Ph.D. within the previous 7 years.
- ♦ Applicants can only benefit from a Post-Doctoral grant on one occasion.

### Proposals will be ranked on the following criteria:

- ♦ Scientific quality of research, novelty and timeliness, likely output.
- ♦ Feasibility.
- ♦ Cost effectiveness.
- ♦ The scientific and publication track record of the investigator.
- ♦ Demonstration that the proposed work cannot be conducted without a grant.
- ♦ Researchers that are not supported by substantial funding.
- ♦ Preference is given to applications for a single purpose (rather than top-ups of other grant applications).

### Application requirements:

Applications must be made via the IAS web site.

- ♦ Research Proposal, maximum 3 pages A4, including:
  - Rationale and scientific hypothesis to be addressed
  - Specific objectives of the research
  - Anticipated achievements and outputs
  - Methodology and approach
  - Research plan

- A list of pending and previous applications for funds to support this or related research.
- ♦ CV of the applicant, maximum 2 pages A4.
  - ♦ Justification of the proposed expenditure, up to 1 page of A4. If other individuals are to be involved with the project, this document must include a clear explanation of their role and costs.

### Examples of funding

- ♦ Direct costs of fieldwork.
- ♦ Laboratory analysis.
- ♦ Specialist equipment (not computers).

### Funding exclusions

The IAS does not offer funding for

the following costs:

- ♦ Investigator's salary costs.
- ♦ Travel to attend a scientific conference, workshop or exhibition.
- ♦ Core funding or overheads for institutions.
- ♦ Student tuition fees and summer research bursaries.

### Deliverables

- ♦ The IAS should be acknowledged in all reports, presentations and publications produced as a result of the awarded grant.
- ♦ A report should be submitted to the IAS detailing the outcomes of the research.
- ♦ Where a publication is produced then this may be submitted in lieu of a report.

## INSTITUTIONAL IAS GRANT SCHEME (IIGS)

### IIGS Guidelines

Special IAS Grants or Institutional IAS Grants are meant for capacity building in third 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 Full Members. Applications should be submitted by email to the Office of the Treasurer ([ias-office@ugent.be](mailto:ias-office@ugent.be)) and contain 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 money will be transferred to the grant recipient.

## POSTGRADUATE GRANT SCHEME (PGS)

### PG Guidelines

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

Up to 10 grants, each of about 1,000 Euro are awarded, twice a year. These grants are available for IAS Student Members only. Students enrolled in MSc programs are not eligible for funding and research grants are not given for travel to attend a scientific conference, nor for the acquisition of equipment.

Applicants should apply for a postgraduate grant via the IAS website. The application requires submitting a research proposal with budget and CV (template provided on the submission webpage) and a letter of support from the student's supervisor. After the deadline has passed, the IAS Bureau evaluates the submitted applications and makes a final selection. Applicants are personally informed by the Office of the Treasurer about their grant. The grants are transferred to the applicants' bank account upon submission of a short scientific and financial report.

Eligibility and selection criteria:

- ◆ Applicants must be enrolled as a

PhD student;

- ◆ Applicants can only benefit from a postgraduate grant once during their PhD;
- ◆ In the evaluation process preference will be given to those applications that i) can convincingly demonstrate that the proposed work cannot be conducted without the grant, and ii) are not supported by substantial industry funding.

### 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.

A recommendation letter from the PhD supervisor supporting the applicant is mandatory, as well as a recommendation letter from the Head of Department/Laboratory of guest institution in case of laboratory visit. The letter needs to be uploaded by the candidate, when submitting his/her application, and not be sent separately to the Office of the Treasurer.

Please make sure to adequately answer all questions.

### Deadlines and notifications

Application deadline 1st session: 31 March.

Application deadline 2nd session: 30 September.

Recipient notification 1st session: before 30 June.

Recipient notification 2nd session: before 31 December.

NOTE: Students who got a grant in a past session need to wait 2 sessions (1 year) before submitting a Postgraduate Grant Scheme grant application again.

Students whose application was rejected in one session can apply again after the notification deadline of the rejected grant application

### 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. \*Surlyk 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

The recommendation letter from the supervisor should provide an evaluation of the capability of the applicant to carry out the proposed research, the significance and necessity of the research, and reasonableness of the budget request. The recommendation letter must be uploaded by the applicant together with the rest of the application content. Applications without letter of support will be rejected. It will be considered as a plus for your application if your PhD supervisor is also a member of IAS.

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 add a letter of support from him/her with your application.

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 have contact in the past with the Head of the Guest Department/Laboratory (if appropriate)

## Post-graduate research grants (PGS), 2<sup>nd</sup> session 2016

Staudigel Philip	pstaudigel@rsmas.miami.edu	RSMAS	Miami, USA
Voarintsoa Ny Riavo	nv1@uga.edu	Univ. of Georgia	Georgia, USA
Ahern Justin	justin.ahern@huskers.unl.edu	Univ. of Nebraska-Lincoln	Lincoln, USA
Chandler Benjamin	b.m.p.chandler@qmul.ac.uk	Queen Mary University of London	London, UK
Gougeon Romain	gougeon.romain@gmail.com	Univ. of Saskatchewan	Saskatoon, Canada
Afanasyeva Victoria	Afanasyeva.vk@gmail.com	Saint Petersburg State University	St. Petersburg, Russia
Todd Christopher	christopher.todd@my.jcu.edu.au	James Cook University	Australia
Torre Gabriela	gabrielatorre@unc.edu.ar	Universidad Nacional de Córdoba	Cordoba, Argentina
Bell Daniel	dbell7874@gmail.com	University of Manchester	Manchester, UK
Fenn Kaja	kaja.fenn@hertford.ox.ac.uk	University of Oxford	Oxford, UK

## Post-doctoral grants 2016

Anne-Sabine Grosjean	anne.sabine.grosjean@u-bourgogne.fr
Laura Tomassetti	laura.tomassetti@uniroma1.it
Joanna Pszonka	joanna@pszonka.pl
Matteo Maron	matteo.maron@unimi.it

## CALENDAR

### **Chapman Conference on Submarine Volcanism: New Approaches and Research Frontiers\***

29<sup>th</sup> January - 3<sup>rd</sup> February  
2017  
Hobart,  
Australia

Rebecca Carey  
[rebecca.carey@utas.edu.au](mailto:rebecca.carey@utas.edu.au)  
<http://chapman.agu.org/submarinevolcanism/>

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### **AGU Chapman Conference on Submarine Volcanism: New Approaches and Research Frontiers\***

29<sup>th</sup> January - 3<sup>rd</sup> February  
2017  
Hobart, Tasmania,  
Australia

James White  
[james.white@otago.ac.nz](mailto:james.white@otago.ac.nz)  
<http://chapman.agu.org/submarinevolcanism/>

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### **Flügel-Course 2017\***

6<sup>th</sup> - 17<sup>th</sup> March  
2017  
Erlangen,  
Germany

Axel Munnecke  
[axel.munnecke@fau.de](mailto:axel.munnecke@fau.de)  
<https://www.gzn.fau.de/en/palaeontology/events/fluegel-course/>

### XRF Core Scanning 2017\*

20<sup>th</sup>-24<sup>th</sup> March  
2017  
Taipei,  
Taiwan

<http://b00302249.wixsite.com/mrcs>

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### EGU 2017 General Assembly\*

23<sup>th</sup>-28<sup>th</sup> April  
2017  
Vienna,  
Austria

<http://egu2017.eu/home.html>

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### 14<sup>th</sup> International Ichnofabric Workshop\*

29<sup>th</sup> April - 7<sup>th</sup> May  
2017  
Taipei,  
Taiwan

Ludvig Löwemark [ludvig@ntu.edu.tw](mailto:ludvig@ntu.edu.tw)  
[http://homepage.ntu.edu.tw/~ludvig/styled-12/  
index.html](http://homepage.ntu.edu.tw/~ludvig/styled-12/index.html)

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### 11<sup>th</sup> International Conference on Fluvial Sedimentology\*

17<sup>th</sup>-21<sup>th</sup> July  
2017  
Calgary,  
Canada

Stephen Hubbard  
[shubbard@ucalgary.ca](mailto:shubbard@ucalgary.ca)  
<http://www.icfscalgary.com/>

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### 10<sup>th</sup> International Symposium on the Cretaceous\*

21<sup>th</sup>-26<sup>th</sup> August  
2017  
Vienna,  
Austria

Michael Wagneich  
[michael.wagneich@univie.ac.at](mailto:michael.wagneich@univie.ac.at)  
<https://10eretsymp.univie.ac.at/>

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### Summer School on Speleothem Science 2017\*

21<sup>th</sup>-26<sup>th</sup> August  
2017  
Burgos,  
Spain

[https://summerschoolspeleothemscience.wordpress.  
com/](https://summerschoolspeleothemscience.wordpress.com/)

## Deep-Water Circulation Conference 2017\*

14<sup>th</sup>-16<sup>th</sup> September  
2017  
Wuhan,  
China

Xinong XIE and Tao JIANG  
3dwc2017@cug.edu.cn  
<http://www.3dwc2017.org/>

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## 2<sup>nd</sup> International Conference of Continental Ichnology\* ICCI 2017

2<sup>th</sup>-8<sup>th</sup> October  
2017  
Western Cape,  
South Africa

ICCI\_2017@yahoo.com  
[https://sites.google.com/site/icci2017conference/  
home](https://sites.google.com/site/icci2017conference/home)



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## 33<sup>rd</sup> IAS MEETING OF SEDIMENTOLOGISTS\*

10<sup>th</sup>-12<sup>th</sup> October  
2017  
Toulouse  
France

Delphine Rouby  
ims2017@scienceconf.org  
<http://ims2017.sciencesconf.org/>

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**\* THESE EVENTS HAVE FULL OR  
PARTIAL IAS SPONSORSHIP**



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