

The Newsletter of the International Association of Sedimentologists

Issue 3, 2019



Dear Member of the IAS,

Issue 3 already! Highlights in this issue include a message from the Editor in Chief of the *Depositional Record*, a very important announcement about the Rome IMS, and more introductions to some of our Council and Bureau members. Very importantly, we see a number of important grant application deadlines fast approaching – don't delay, apply today!

In the 3rd edition of the Newsletter of the IAS...

- Last call for applications for IAS Post-Doctoral Research Grants (Spring 2019 Session)
- Last call for applications for Post-Graduate Research Grants (Spring 2019 Session)
- Last call for applications for Institutional Grants (Spring 2019 Session)
- Abstract submission deadline extension for the 34th IAS International Meeting of Sedimentology
- Announcing a new Special Issue of the *Depositional Record*
- Report - Short Course on Sedimentary Provenance Analysis (SPA 2018)
- Call for IAS National Correspondents
- Meet the Bureau and Council – getting to know us
- New Grant Reports on the IAS web site
- IAS Sponsored Sessions at the EGU
- Travel grants for IAS Student Members
- Meetings with IAS support
- Call for manuscripts for the IAS Open Access Journal “The *Depositional Record*”
- News from our journals
- IAS on Facebook and Twitter
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On behalf of the IAS Bureau,

Stephen Lokier
General Secretary

LAST CALL for applications for IAS Post-Doctoral Research Grants (Spring 2019 Session)

IAS 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.

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. More details about the application procedure can be found [here](#). Application deadline for the Spring 2019 Session is **31st March 2019**.

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.

LAST CALL for applications for Post-Graduate Research Grants (Spring 2019 Session)

Up to **10 research grants**, each to a maximum of €1,000, are awarded twice a year to **IAS Post-Graduate Student Members**. This grant scheme is designed to support PhD students in their studies and research. Post-Graduate Research Grants can be used to (co-)finance fieldwork, acquisition and analysis of data, visits to other institutes to use specialized facilities, etc.

Applications must be submitted via the [IAS website](#). Application deadline for the Spring 2019 Session is **31st March 2019**.

More information about the Post-Graduate Grant Scheme and guidelines on how to apply can be found [here](#).

LAST CALL for applications for Institutional Grants (Spring 2019 Session)

Twice a year, IAS awards an **Institutional Grant** of maximum 10,000 Euro, which is intended to support capacity building initiatives in less developed countries (LDCs). Grants will allow earth science departments in LDCs to acquire durable sedimentological equipment for teaching and research, or tools that can be used by all geology students. The grant application should thus clearly demonstrate how the grant will increase the recipient's capacity to teach sedimentology at undergraduate level in a sustainable way.

Applications have to be submitted via the [IAS website](#). Application deadline for the Spring 2019 Session is **31st March 2019**.

More information about the Institutional Grant Scheme and guidelines on how to apply can be found [here](#).

Abstract submission deadline extension for the 34th IAS International Meeting of Sedimentology

The deadline for the submission of abstracts to the 34th IMS has been extended to April, 9th 2019.

Details of the meeting are available [here](#) or on the [IAS website](#).



In the meanwhile, please note that the pre-conference fieldtrip A2, on the saltmarshes of the Venice lagoon, needs to confirm the reservation for participants as soon as possible. If you intend to join this trip then please register as soon as possible or, at least, contact the fieldtrip leaders in the next few days.

Special Issue of the Depositional Record - Carbonate mound development on a changing planet



This special issue of the Depositional Record aims to bring together new breakthroughs in the study of the global carbonate mound factory through space and time. Carbonate mounds are important archives of 'Life' in a wide variety of settings, from cool-water to warm-water, shallow to deep and even extreme environments. They are key-players in the coupled bio-geosphere and form an important piece of the puzzle when studying the global carbonate factory. Nearly 25 years after the publication of the first volume dedicated to carbonate mud-mounds - the IAS Special

Publication 'Carbonate Mud-Mounds: Their Origin and Evolution' (Monty et al., 1995) – this special issue would like to highlight the new challenges in carbonate mound research with a look to the future and a wink at the past. New insights on the processes, mechanisms and patterns in mound development will be discussed through different papers with a special focus on the following themes:

- Cold-water carbonate mounds: from Abyss to Arctic
- New proxies in carbonate mound research
- Microbial carbonate mounds
- Diagenesis in carbonate mounds
- Carbonate mounds as world heritage record

For more information contact the Editors of this special issue: [Elias Samankassou](#), [Anneleen Foubert](#), [Andres Rüggeberg](#)

Peter Swart, Editor in Chief

Report

Short Course on Sedimentary Provenance Analysis (SPA 2018)

University of Göttingen, Geoscience Center

The 8th annual Sedimentary Provenance Analysis (SPA) Short Course was held at the Geoscience Center of the University of Göttingen (GZG), September 24 - 28, 2018. The course was well attended with 25 participants, among them 20 Ph.D. students, two M.Sc. students and three post-docs. The attendees came from 11 countries including Algeria, Austria, Bulgaria, China, Croatia, Denmark, Germany, Ireland, Poland, Portugal and the United Kingdom. The short course was organised by the Dept. of Sedimentology and Environmental Geology and the lectures were given by István Dunkl, Keno Lünsdorf and Hilmar von Eynatten (all GZG) as well as Guido Meinhold (Keele University, UK) and Gert-Jan Weltje (KU Leuven, Belgium) as invited guest lecturers. For the second time, the course was extended to five days, to include promising emerging techniques like Raman spectroscopy and its application to heavy mineral analysis.

Following the previous courses, the first day was devoted to the principles of sedimentary provenance analysis, including the introduction to bulk sediment techniques. At the ice-breaker in the evening of the first day, the participants had the possibility to get in touch with each other and the lecturers, along with some drinks and finger food. The second day started with heavy mineral analysis in the morning sessions, followed by single-grain analysis of heavy minerals including geochemical and geochronological methods. The third day was dedicated to Raman spectroscopy for the morning sessions, beginning with the fundamentals of the methods and followed by applications to heavy mineral analysis. In the afternoon, detrital geochronological techniques were explored in more detail, followed by a laboratory tour designed to introduce some of the technical and analytical facilities at the Geoscience Center Göttingen and how these techniques are handled by the operators. On the fourth day, we came back to bulk sediment techniques focussing on robust statistical analysis of compositional data as a prerequisite for provenance modelling. This was followed in the afternoon by low-temperature thermochronological techniques such as fission track and (U–Th)/He analysis, along with the statistical treatment of thermochronological and geochronological data. The final day of the short course was devoted to presentations of various case studies by the lecturers, which demonstrated the potential of sedimentary provenance analysis in both academic research and exploration for raw materials.

The attendees were given the opportunity to present their own data, case studies and problems, which were presented at the poster session on Tuesday evening and were further available during the coffee breaks to enhance further exchange among the participants and with the lecturers. The course has been evaluated by the participants and we received again a very positive feedback.

Financial support for students for participation at the SPA Short Course was provided by the *International Association of Sedimentologist (IAS)* and the *Deutsche Geologische Gesellschaft – Geologische Vereinigung (DGGV)*



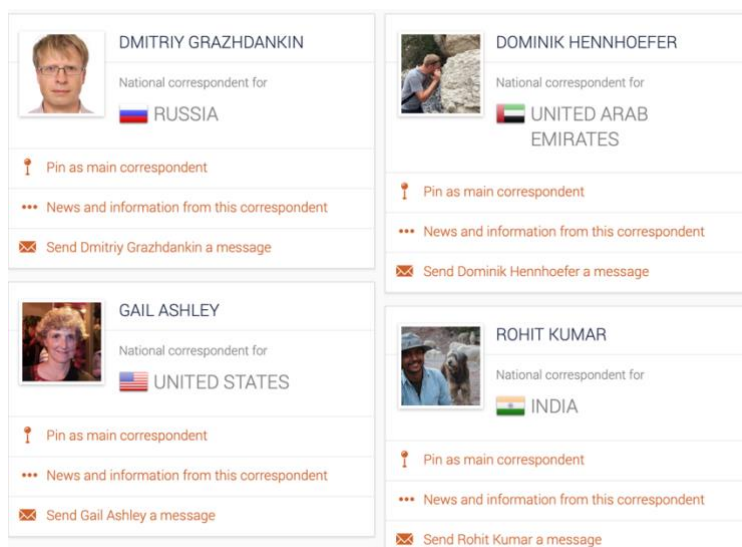
Participants and lecturers of the 8th annual Sedimentary Provenance Analysis (SPA) Short Course at the University of Göttingen in September 2018.

Hilmar von Eynatten, István Dunkl, Keno Lünsdorf, Guido Meinhold

Get involved – Apply to become an IAS National Correspondent

IAS [National Correspondents](#) are IAS Members who have volunteered to act as a representative between sedimentologists in their host country and the IAS.

If you know of any sedimentology events going on in your country, then please get in touch with your National Correspondent and let them know. Similarly, if your country lacks a National Correspondent and you would like to propose an IAS Member (Full or Student), or yourself, for this position then please send an email to the [General Secretary](#).



This month, we welcome Rohit Kumar, our new National Correspondents for India.

Getting to know us....

This month we continue with our introductions to the people behind the scenes in the IAS - the members of the Bureau and Council. These individuals are all active Sedimentologists who volunteer their time to ensure the smooth running and continued success of the Society. This month we shall be introducing another member of the Council and meet the first member of the Bureau.

[David Van Rooij](#)

The 'Treasurer of the IAS' is one of the more public faces of the association and probably a large number of you have communicated with me or my office staff. But my real name is David Van Rooij Associate Professor in [Marine Geology and Geophysics at Ghent University in Belgium](#). Due to the lack of deep-water on the Belgian EEZ (only 55 m depth), I mostly undertake research on the upper slopes of the European and Northern African Atlantic margins. I adopt a multidisciplinary approach to my research, using marine geophysics, coring, ROV observations and, hopefully soon, AUV. Although the ocean margins are a very diverse topic, I predominantly focus my research on contourite drifts and cold-water coral mounds (combined or not). Thus, I have one foot in the clastic system and another one in the carbonates! Although research at sea remains my first love, I am also a passionate teacher on a multitude of courses ranging from geophysics to basic geology and planetary geology.



As a true Belgian... food and beers don't have a lot of secrets and I try to make myself understood in at least a few languages.

Although the function of Treasurer may appear to be quite straightforward, it involves quite a number of tasks to ensure the smooth running of the daily business of the IAS.



Besides the financial and legal aspects, one of the most important roles is making certain that the association's money is safe for the future – it is also my task (and that of the Bureau) to ensure that the income of the IAS flows back to the community. One of the most rewarding aspects of this is communicating with the awardees of the IAS Travel Grants, and the Post-graduate and Post-doc Grants. I am also the primary contact between the association and our publisher, Wiley. I am certainly not undertaking all of these tasks alone – I can count on the help of Wim Lievens for the office and Steven De Vriese for all website and ICT related issues.

I look forward meeting you at one of the upcoming meetings!

David Van Rooij, Treasurer of the IAS

Jean-François Deconinck





Jean-François defended his PhD in 1984, at the University of Lille (France) on the clay mineralogy of Mesozoic sediments exposed in the Western French Alps. After a two years post-doc in Geneva, he came back to Lille in 1987 as associate professor and then professor in 1994. He moved to the University of Burgundy in Dijon in 2003 where he is currently professor of Earth Sciences and affiliated to the Biogéosciences CNRS laboratory. He is teaching sedimentology, palaeoclimatology, stratigraphy, igneous petrology and general geology.

His research interest is focused on the significance of clay minerals in Jurassic and Cretaceous marine sediments deposited in Western Europe. His research concerns 1) the diagenetic evolution of clay minerals and their use as palaeothermometers and 2) the reconstruction of Jurassic and Cretaceous palaeoenvironments by combining detrital clay minerals, stable isotopes data and astroclimatology. He is currently working on the Liassic successions from French, Spanish and UK basins in the frame of the JET project (Early Jurassic Earth system and Time scale) funded by ICDP and NERC. He is also involved in the high resolution study of argillaceous Albian sediments from the Paris and Vocontian basins (his favorite field) in a close collaboration with the French Agency for Nuclear Waste disposal (Andra).

Jean-François has been advisor for Earth Sciences at the French Ministry of research from 2003 to 2007, member of the French Agency for evaluation of research from 2008 to 2011. As president of the French Association of Sedimentologists (ASF) from 2011 to 2017, he has been involved in the organisation of the joined IAS/ASF meeting of sedimentology held in Toulouse in October 2017. He recently joined the IAS Council and provides evaluation of applications to the IAS Postgraduate Grant Scheme.

New Grant Reports are now available on the IAS web site

You can read all of the Grant Reports from IAS members who have benefited from [Post-Doctoral](#) or [Post-Graduate](#) grants [here](#). Simply click on the 'Grant Reports' tab at the top of the page.

Grant Reports	Conferences	Meeting / Field Trip Reports
 DESSY SAPARDINA Are erosional features due to channelization and Froude supercritical flow common in basin floor fans? Download report		 CHENLIANG WU Linking autogenic and allogenic controls on fluvial-deltaic stratigraphy through hydrodynamics of non-uniform flow: tested in the Western Irish Namurian Basin, County Clare, Ireland Download report
 SOPHIE HAGE Are turbidity currents an efficient agent for organic carbon burial in marine sediments? Download report		 MAXIMILIANO PAZ Ichtnology, sedimentary facies, sequence stratigraphy and geochemistry of black shales from the Upper Jurassic - Lower Cretaceous Vaca Muerta Formation Neuquen

IAS Sponsored Sessions at the EGU

The IAS has sponsored eight sessions at the 2019 EGU General Assembly in Vienna in April. We are proud to announce that the Jean Baptiste Lamarck Medal Lecture, by Isabel P. Montañez, will be presented during the IAS-sponsored session *SSP2.5 - Paleozoic to Mesozoic stratigraphy, paleoceanography and paleoclimate*.



Full details of all of the sessions co-sponsored by the IAS can be found [here](#).

Travel grants for IAS Student Members

Student members of the IAS are able to apply for travel grants for the following meetings:

- EGU General Assembly 2019 (7-12 April 2019, Vienna, Austria)
- 16th International Meeting of Carbonate Sedimentologists — "Bathurst Meeting" (9-11 July 2019, Palma de Mallorca, Spain)
- 19th International Congress on the Carboniferous and Permian (29 July - 2 August 2019, Cologne, Germany)
- Climatic controls on continental erosion and sediment transport — "CLAST 2019" (4-10 August 2019, Juneau (Alaska), United States)
- Summer School on Speleothem Science (S4) (11-17 August 2019, Cluj, Romania)
- 34th IAS Meeting of Sedimentology — "Sedimentology – to face societal challenges on risk, resources and record of the past" (Rome, Italy; 10-13 September 2019)
- M-fed conference — "Microbialites: formation, evolution, diagenesis" (28-30 October 2019, Dijon, France)
- Climate Change, The Karst Record — "KR9 Conference" (12-15 July 2020, Innsbruck, Austria)

All travel grants are listed on the IAS website in the [Members-Only Events Timeline](#).

Application rules and eligibility criteria for IAS Student Travel Grants:

- Applicants must be active IAS Student Members at the time of submitting a travel grant application;
- Applicants can apply for a travel grant twice per calendar year: once for an IAS meeting (IMS or ISC) and once for any other IAS-sponsored meeting;
- Applicants must have an active and approved (oral or poster) presentation at the meeting (unless the meeting format does not include oral or poster presentations), on a topic of sedimentological relevance.

Meetings with IAS support

- EGU General Assembly 2019 (7-12 April 2019, Vienna, Austria)
- 16th International Meeting of Carbonate Sedimentologists — "Bathurst Meeting" (9-11 July 2019, Palma de Mallorca, Spain)
- 19th International Congress on the Carboniferous and Permian (29 July - 2 August 2019, Cologne, Germany)
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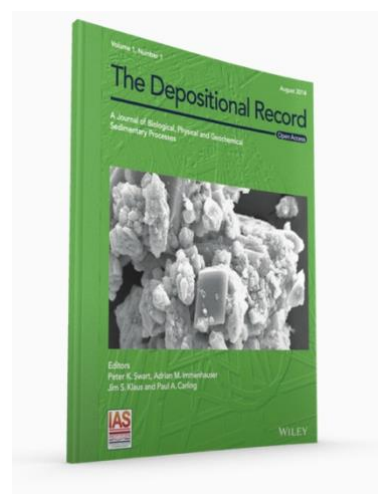
All meetings with IAS support are also listed on the website in the [members-only Events Timeline](#). The listings include the option for downloading the event period in your calendar.

Call for manuscripts for Open Access Journal “The Depositional Record”

[The Depositional Record](#) is IAS’s **Open Access Journal**. It covers all timescales, from Ancient to Modern Earth, and welcomes articles from across the field of sedimentology, and in particular articles dealing with paleoclimate, changes in the chemical environment, ocean acidification, extra-terrestrial sedimentology, and the application of genetic methods to understanding sedimentological processes.

The journal is now collecting manuscripts for Volume 5. All papers are freely accessible to everyone [here](#). For more information, please visit the [journal website](#) and the [manuscript submission page](#).

Article Processing Charges (APC) will be covered by IAS until the journal has received an impact factor.



News from our journals

For a quick overview of the latest issues of **Sedimentology**, **Basin Research** and **The Depositional Record**, follow these links:

- **Sedimentology**: directly at [Wiley](#) or via the [IAS website](#) (after login) for member access
- **Basin Research**: directly at [Wiley](#) or via the [IAS website](#) (after login) for member access
- **The Depositional Record**: directly at [Wiley](#) or via the [IAS website](#)

You can also keep track of all newly published articles on the continuously updated [members-only News Timeline](#) on the IAS website.

The IAS on Facebook and Twitter

The IAS is very active on [Facebook](#) and [Twitter](#).



Follow us [@sedimentology](#) to keep up to date with all things sedimentological.

Job adverts

You can find more information about recent job adverts on our [members-only Job Offers Timeline](#).