

The Newsletter of the International Association of Sedimentologists

Issue 12, 2019

Dear IAS Members,
We wish all of our members the very best for the festive season.

As 2019 draws to a close, we are delighted to announce the first of many exciting new initiatives being launched by the IAS during 2020 – the Sun Shu Prizes for outstanding scientists in the field of sedimentology.

Don't forget that IAS memberships run on an annual basis. Don't miss out on all that the IAS has to offer – remember that the IAS is a registered not-for-profit organisation. Simply put, we are our members! Renew today!

As always, please feel free to distribute this newsletter amongst those of your colleagues who have yet to realise the fabulous benefits of membership of the IAS!

On behalf of the IAS Bureau,
Stephen Lokier
General Secretary



Abstract Submission and Early Registration now open for the 35th IMS – Prague 2020

The 35th IMS will be held in Prague, Czech Republic between the 23rd and 25th of June 2020.

The list of sessions, registration details and abstract submission guidelines are now available at the [meeting web site here](#). You can also follow the meeting on Twitter @IASPrague2020.



Don't miss out on the extra savings to be made during early-bird registration. Of course, all IAS members will also benefit from a discounted registration fee (saving up to €100 on the full price!) and IAS student members can also apply for an IAS travel grant.

See you in Prague!

Follow the journals of the IAS on Twitter

All of the journals of the IAS are now live and active on Twitter.

Stay up to date on the latest @sedimentology advances by following IAS journals:
@JSedimentology, @DepositRecord, @BasinResearch.



The Depositional Record
@DepositRecord



Sedimentology
@JSedimentology



Basin Research
@BasinResearch



Announcing the Launch of the Sun Shu Prizes

The IAS is delighted to announce the launch of the Sun Shu Prize China and Sun Shu Prize International. These two prizes are awarded to recognise outstanding scientists in the field of sedimentology. The Prizes are awarded to honour the late Prof. Sun Shu, a Chinese sedimentologist whose success and fame was achieved through the integration of sedimentological analysis into numerous areas of research including sedimentary geotectonics, mineral resources, and environmental sciences. Prof. Shu was a true pioneer in terms of using tectonic facies analysis concepts and sedimentological data to solve problems related to tectonics and basin analysis.

Candidates for the Sun Shu Prizes must be Full Members of the IAS aged between 35-45 years. The prizes shall be awarded every two years to: (i) a Chinese scientist (SUN SHU Prize China) and (ii) an international scientist (SUN SHU Prize International). The award consists of prize money of (1998) €1,300 EUR and the SUN SHU medal. Winners will also be offered full membership of IAS for 2 years.

Further details of the prizes and full nomination guidelines can be found on the [IAS web site here](#).

Call for nominations for the IUAS Johannes Walther and Early-Career Scientist Awards

The call for nominations is open for the [Johannes Walther](#) and [Early-Career Scientist Awards](#) of the IAS.

The Johannes Walther Award is awarded to scientists at any stage in their career who are considered to have made a significant impact in the field of sedimentology. The award is given once every 2 years. At the 20th International Sedimentological Congress in Quebec (2018), the Johannes Walther Award was awarded to Rachel Wood.



The Early-Career Scientist Award is awarded to recognise contributions and potential of outstanding early-career scientists working in any area of sedimentology. The award is also given once every 2 years.

At the 20th International Sedimentological Congress in Quebec (2018), the Early-Career Scientist Award was awarded to Matthieu Cartigny.

Full details of both prizes, together with nomination guidelines can be found [here](#).

Membership renewal for 2020 – Don't miss out on all the IAS has to offer!

STUDENT	FULL
10€	25€
INCLUDED	INCLUDED
1 Year IAS Membership	1 Year IAS Membership
Online Sedimentology, Basin Research, SP's older than 5 years	Online Sedimentology, Basin Research, SP's older than 5 years
Travel Grants, Postgraduate Grants	Post-doctoral Grants, Institutional Grants
Reduction for IAS Conferences, Printed SP's	Reduction for IAS Conferences, Printed SP's
Members Directory, Additional Content, Newsletter	Members Directory, Additional Content, Newsletter
OPTIONAL	OPTIONAL
Printed Sedimentology +10€	Multiple years at reduced fee
Online Petroleum Geology +45€	Printed Sedimentology +10€
Online + Printed Petroleum Geology +50€	Online Petroleum Geology +45€
Friendship Scheme Sponsor +15€	Online + Printed Petroleum Geology +50€
	Friendship Scheme Sponsor +15€
Read more	Read more

IAS memberships run on an annual basis (1st January – 31st December) so, we would like to take this opportunity to invite you to renew your membership for 2020.

You can find a complete list of the benefits of membership of the IAS [website](#).

You may also consider becoming a full member for 5 years at a cost of only €100 – effectively getting one year's membership for free.

When renewing, please also consider opting-out of printed copies of *Sedimentology*. If you do not wish to receive a printed copy of our journals then please choose this option under the Membership section of My Profile on the IAS web site – all money saved on printing is, of course, ploughed back into the activities of the IAS.

Announcing the Carbonate Forum 2020

The IAS is delighted to be sponsoring the recently announced Carbonate Forum 2020.

This new carbonate-focused event, hosted by Manchester University, UK will take place between 12-14th May 2020 and will provide a forum for a diverse range of postgraduate and early career researchers to present their work to a like-minded audience.

The goal of the forum is to discuss advances in scientific research across the broad sphere of carbonate geology, including modern and ancient carbonate sedimentology, climate research, geobiology, geochemistry and numerical modelling.

Oral presentations shall exclusively be offered to postgraduate and early career researchers, and shall be focused on fundamental, underpinning processes rather than the applied aspects of projects. Work that is *in progress* and ideas that are *not yet fully formed* are particularly encouraged. Significant time shall be allocated for discussion and feedback from the audience, in a supportive and encouraging environment.

Further details of the forum will be announced in the New Year – watch this space!



Get to know the IAS

Early Career Scientists Committee Member – Pierre Dietrich



I obtained my Ph.D. in sedimentary geology from the University of Strasbourg (France) in 2015, this focused on the sedimentary, stratigraphic and geomorphological record of the glacio-isostatic adjustment and associated processes that accompanied the retreat of the Laurentide Ice Sheet along the Estuary and Gulf of the St. Lawrence (Québec, eastern Canada).

Between 2016 and 2019, I held a postdoctoral position at the University of Johannesburg (South Africa) where my research interest emphasized the sedimentary record of the Ordovician and Permo-Carboniferous ice ages in southern Africa (South Africa, Namibia, Botswana). I also had an interest in subglacial erosion, deltaic, fluvial, supercritical-flow related processes as well as on the retreat of modern, high-latitude ice masses.

Currently, I am a postdoctoral fellow at the Rennes 1 University (France), I dedicate my time to the investigation of Mesozoic and Cenozoic sedimentary basins of southern Africa (Mozambique, South Africa, Namibia) that witness topographic variations of the continental interior and the break-up of Gondwana. I really enjoy being in the field, in the breath-taking, pristine landscapes of southern Africa or in the inextricable boreal forests of Québec, collecting raw data about sedimentology, stratigraphy or geomorphology to retrace past environments of our planet.



The Permo-Carboniferous glaciogenic Dwyka Group (base of the Karoo Supergroup, Aranos Basin, Namibia) here exposing glaciomarine facies.

Pierre Dietrich

Grant Reports on the IASA web site

The IAS supports postgraduate and post-doctoral scientists via our grant schemes.

This month we have new reports from Stergios Zarkogiannis, Kevin Boulesteix, Gloria Otosigbo and Thomas Vandyk

You can read all present and past Grant Reports from IAS members who have benefited from [Post-Doctoral](#) or [Post-Graduate](#) grants [here](#).



POSTGRADUATE REPORT
Thomas Vandyk — The effects of diagenetic clay minerals, sedimentary structures and biogenic activities in the clastic reservoir Niger Delta Basin.
Posted 9 December 2019
[READ REPORT](#)



POSTGRADUATE REPORT
Gloria Otosigbo — Precambrian Glacial sedimentology from the Mineral Fork Formation, USA
Posted 9 December 2019
[READ REPORT](#)



POSTGRADUATE REPORT
Kevin Boulesteix — Sedimentary facies and stratigraphic architecture of deep-water mudstones beyond the basin-floor fan sandstone pinch-out
Posted 25 November 2019
[READ REPORT](#)



POSTGRADUATE REPORT
Stergios Zarkogiannis — Preservation assessment and geochemical composition of modern planktonic foraminifera shells from Atlantic surface sediments.
Posted 25 November 2019
[READ REPORT](#)

IAS Special Lecture Tour report – Chris Fielding visits the University of Leeds

The Sedimentology Group at the University of Leeds, UK, were delighted to host Prof. Chris Fielding on the 10-11th of October, 2019.

Chris very kindly delivered both lectures for our community. Firstly, in a talk for the special interest Sedimentology Group, Chris explained how we had all been wrong about fluvial facies models! This led to senior members of the faculty announcing everything they had taught for the last twenty years was wrong! Further discussions followed on how to integrate modern and ancient data to help refine siliciclastic facies models and dinner at the Town Hall Tavern.



The next day Chris delivered his lecture on the end-Permian mass extinction for the wider geoscience community in Leeds, with good turnout from both sedimentologists and other earth scientists. This visit also allowed Chris to meet with members of the Fluvial, the Turbidites and the Palaeo@Leeds research groups to discuss collaboration opportunities.











Many thanks to both Chris and the IAS for making this visit possible and we look forward to hosting future special lecturers!

Adam McArthur (Sedimentology Group leader)

IAS National Correspondents

IAS [National Correspondents](#) regularly post news on all things sedimentological via the IAS web site. Check out the [News Feed](#) to see what is happening in your local community. At this link you will also be able to select your correspondent and even elect to receive information from multiple correspondents.

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 ([see the map here](#)) 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](#).

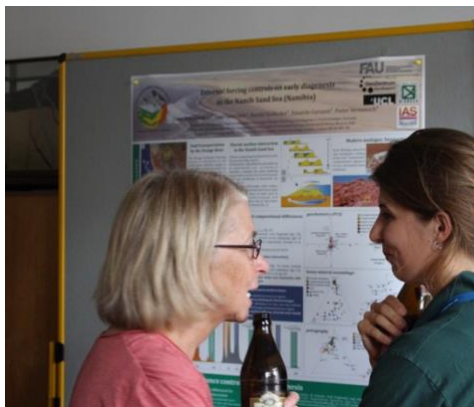
 ARGENTINA IAS 2020 - Conference update Posted 29 November 2019 READ MORE	 MALAYSIA 2nd International Conference on Earth Resources (ICER2020): Geoscience for Sustainable Future Posted 29 November 2019 READ MORE
 ISRAEL Israel Geological Society Annual Meeting – March 2020 Posted 29 November 2019 READ MORE	 CANADA Coastal Zone Canada Iqaluit 2020 conference Posted 29 November 2019 READ MORE
 UNITED KINGDOM BSRG 2019 – Field trips and workshops Posted 22 November 2019 READ MORE	 INDIA 36th International Geological congress (2-8 March 2020, Delhi, India) Posted 22 November 2019 READ MORE
 ITALY Tidalites 2020 - 10th INTERNATIONAL CONGRESS OF TIDAL SEDIMENTOLOGY Posted 22 November 2019 READ MORE	 SAUDI ARABIA Core Workshop "Source Rock Sequences of Arabia" at GEOS2020, Bahrain (Integrated core and poster display of Arabia's major source rock sequences) Posted 22 November 2019 READ MORE
 CANADA GeoConvention, May 11-13, 2020, Calgary (Alberta) Posted 22 November 2019 READ MORE	 RUSSIA Lithological Meeting "Geology of Reefs" Posted 18 November 2019 READ MORE

IAS Sponsored Meeting report

2nd School on 'Controls on Sandstone Diagenesis'

GeoZentrum Nordbayern (FAU Erlangen-Nuremberg, 26th – 30th of August 2019)

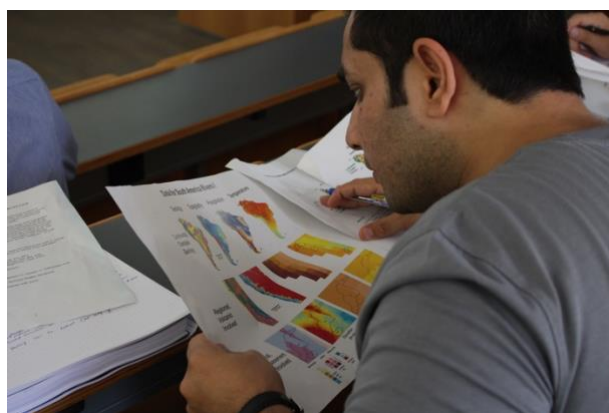
For the second consecutive year, the Applied Sedimentology Group of the GeoZentrum Nordbayern and Gecosom LCC organised the training event for PhD students and



Professionals from industry on 'Controls on Sandstone Diagenesis'. We received 25 attendees from Europe, South America and the Middle East, including 17 from universities and 8 from the Oil and Gas industry.

We were happy to see how our workflow was received and to see the two worlds – the pre- and post-depositional processes - coming together.

The School offered a comprehensive overview of the factors controlling the production, transfer, deposition and burial history including both lectures and extensive exercises to understand: (i) how to predict depositional texture and mineralogy and link provenance, sedimentary processes and early diagenesis; (ii) how to interpret and model diagenetic processes, (iii) predict reservoir presence and quality and (iv) burial history and basin modelling.



We thank the IAS for the financial support that allowed IAS student members to join our school. We are grateful to our guest speakers, Dr. William A. Heins (former Senior Geological Advisor at ExxonMobil), Prof. Gert Jan Weltje (KU Leuven), Dr. P. Vermeesch (University College London) and Dr. Daniel Palmowski (Schlumberger), for their significant contribute to the success of the school. We hope to see you at the 3rd School that will be announced soon!



Luca Caracciolo, Linda Bonnell and Rob Lander

Deadline 31st March 2020 - applications for IAS Post-Doctoral Research Grants (Autumn 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 on your membership profile.

Application deadline for the Autumn 2019 Session is **30th September 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.

Deadline 31st March 2020 - applications for Post-Graduate Research Grants (Autumn 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 Autumn 2019 Session is **30th September 2019**.

More information about the Post-Graduate Grant Scheme and guidelines on how to apply can be found on your membership profile.

Deadline 31st March 2020 - applications for Institutional Grants (Autumn 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 Autumn 2019 Session is **30th September 2019**.

More information about the Institutional Grant Scheme and guidelines on how to apply can be found on your membership profile.

Travel grants for IAS Student Members

Student members of the IAS can currently apply for travel grants for [IAS-supported meetings](#). Meetings with IAS sponsorship include:

- 36th International Geological Congress (2-8 March 2020, Delhi, India)
- SEPM International Sedimentary Geosciences Congress - 2020 (26-29 April 2020, Flagstaff, US)
- EGU General Assembly 2020 (3-8 May 2020, Vienna, Austria)
- 35th IAS Meeting of Sedimentology (22-25 Jun 2020, Prague, Czech Republic)
- Climate Change, The Karst Record — "KR9 Conference" (12-15 July 2020, Innsbruck, Austria)
- 10th International Conference of Tidal Sedimentology (31 August - 2 September 2020, Matera, Italy)

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.

Application guidelines can be found on your membership profile.

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, Twitter, WeChat and LinkedIn!

The IAS is very active on [Facebook](#), [Twitter](#), [WeChat](#) and [LinkedIn](#)

Follow us [@sedimentology](#) and [IAS沉积学之家](#) to keep up to date with all things sedimentological.

