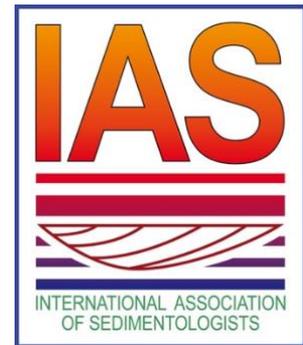


The Newsletter of the International Association of Sedimentologists

Issue 10, 2019



Dear Member of the IAS,

As we approach the end of the year, it's time to look forward to all of the exciting Sedimentology events awaiting us in 2020. Amongst the highlights for 2020 are the 35th International Meeting of Sedimentology in Prague and the 8th International Summer School of Sedimentology in the Bahamas.

Remember, to take advantage of all that the IAS has to offer you need to keep your membership up to date – go on, renew now, it'll only take a minute....

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

Call for Special Session and Short Course Proposals 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 first circular for the meeting can be downloaded from the [meeting web site here](#).

The call for Special Session and Short Course Proposals is now open until the 25th of November so please think about convening a session – the IAS particularly encourages Early Career Scientists as session convenors.

Of course, all IAS members will benefit from a discount registration fee (saving up to €100 on the full price!) and IAS student members will also be able to apply for an IAS travel grant.

See you in Prague!

More IAS journals now Tweeting

Both Sedimentology and The Depositional Record are now live and active on Twitter. Stay up to date by following them at @JSedimentology and @DepositRecord.



The Depositional Record
@DepositRecord



Sedimentology
@JSedimentology

Apply for the 8th IAS International Summer School of Sedimentology

The 8th IAS International Summer School will be held in Eleuthera in the Bahamas between the 23rd and 30th May 2020.

The IAS International Summer Schools of Sedimentology have been running for the past 15 years with the aim of providing a small group of post-graduate students with an opportunity to interact with invited lecturers to focus on new and exciting topics in sedimentology presented as a series of lectures combined with field observations.

The biannual IAS Summer School is always held in an area of recognised sedimentological significance and is strictly for IAS Student Members Only.

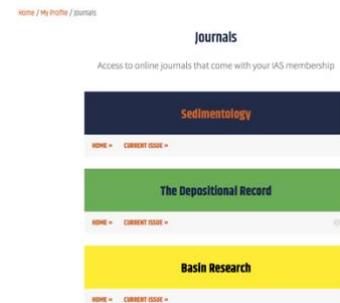
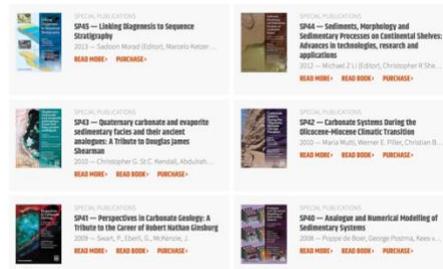
IAS Student travel grants are available to help cover the unbelievable low field school costs!

Spaces are extremely limited, apply today via your membership profile.



Getting the most out of the New IAS Web Site

One of the many benefits of being an IAS member is having online access to the complete archive of *Sedimentology*, *Basin Research* and all IAS *Special Publications* older than 5 years.



Access to all of this fabulous content is via your IAS member profile.

Simply sign in on the IAS website and then click on MY PROFILE to go to your membership profile.



Scroll down to the Content section then click on the link for the item that you would like to access.

On the desktop, you can also find the links from the main menu (click the "MY PROFILE" dropdown), or you can use the direct link <https://www.sedimentologists.org/me/journals> for journals or <https://www.sedimentologists.org/me/books> for Special Publications.

Get to know the IAS

Early Career Scientists Committee Member – Chelsea Pederson

I study carbonate systems, with a focus on fluid and rock interaction, as well as modern carbonate formation.

I finished my PhD at the Rosenstiel School of Marine and Atmospheric Science at the University of Miami in 2017 investigating the precipitation and early alteration of microbial carbonates. Currently, I am a post doctoral researcher at the Ruhr-University Bochum, in Germany focusing on experimental alteration and its effect on carbonate archives. Current projects also include early cementation of seafloor sediments in lagoonal environments.

Chelsea Pederson



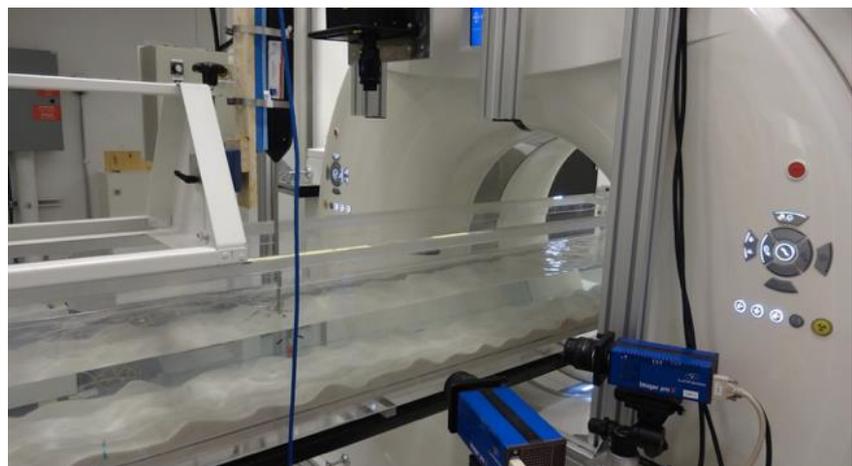
Get to know the IAS

Member of Council – Pierre Francus

I am a member of the IAS council for the 2018-2022 period. My tasks are to provide advice to the IAS Bureau on miscellaneous matters, including awards, and to evaluate submission to the Postgraduate Grant Scheme, along with my fellow council members and the Vice-President Marcos Aurel. Previously, I was Vice-President of the IAS between 2014 and 2018 and the Chair of the International Sedimentological Congress 2018 held in Québec City Canada.

My main interest is the study of varved, i.e. annually laminated, sediments in lakes and in coastal zones in order to reconstruct the climate of the past, past hydrology and past environments during the Holocene and the Pleistocene. I have been lucky to work in several remote places such as the Canadian High Arctic, Patagonia and Lake Baikal, something that makes my job so fascinating. The study of the impact of humans on aquatic systems, including eutrophication and increased sediment yield is now taking a large portion of my time.

The methods used to achieve these objectives are centered around an original and unique technique for analyzing images of thin sections of soft sediments and two laboratories: a micro-[XRF core scanning](#) and a [CT-Scan facility](#). Using the latter, I also started to investigate the fundamental processes occurring at the water-sediment interface, i.e. within the bedload. The analytical protocol involves the crazy idea of putting a hydraulic canal within the medical Ct-Scanner.



I obtained my PhD in 1997 from Université catholique de Louvain, Belgium, then spent 5 years as a postdoc at the University of Massachusetts Amherst, MA, USA. I'm now a professor at the Institut National de la Recherche Scientifique, in Québec City, Canada where I conduct my research with Master and PhD students. I'm holding a Canada Research Chair in environmental sedimentology. I have been involved with [ICDP](#) and [PAGES](#).

Pierre Francus

IAS Special Lecture Tour report

Chris Fielding visits the University of Louisiana at Lafayette

Prof. Christopher Fielding (University of Nebraska-Lincoln) visited the University of Louisiana at Lafayette to give a lecture entitled *Towards a new generation of facies models for fluvial systems and their deposits* on the 6th of September 2019.

Numerous faculty and students from all the disciplines represented at the School of Geosciences attended the seminar. This interdisciplinary audience, including geologists, geophysicists, and environmental scientists, greatly enjoyed Chris' talk. The seminar provided a fresh perspective on how to analyze deposits and facies in the different fluvial systems, and the great Chris knowledge allowed and in-depth discussion. This seminar contributed to the advancement of knowledge at the School of Geosciences.



This visit has been a fantastic opportunity for the faculty and students to talk one on one with Chris about research interest and ongoing projects. More than one faculty discovered to have interacted with some of Chris' work and findings at some stage of their research.

We are thankful to the IAS Special Lecture Tour to have sponsored Chris visit, thus exposing the School of Geosciences to a great scientist and academician. We trust that Chris enjoyed the hospitality and cuisine of Cajun country.

Davide Oppo and Raphael Gottardi

IAS Sponsored Meeting report

19th International Congress on the Carboniferous and Permian (XIX ICCP 2019)

The International Congress on the Carboniferous and Permian, held every four years, is the most important meeting for geoscientist studying the late Palaeozoic and goes back to a first meeting in Heerlen (NL) in 1927. After a journey around the globe (last meetings in China, Australia, and Russia), this years' congress was back in Europe and organized in Germany at the Universität zu Köln (Cologne) from July 29th to August 2nd, 2019.

210 delegates from 27 countries attended the conferences and discussed various aspects on the Carboniferous and Permian. 120 oral presentations including 7 plenary lectures and 62 posters were grouped into 5 major topics comprising in total 17 sessions: The world of stratigraphy, The world of palaeontology, The world of facies, environments and basin analysis, The world of oceans and mountains, and The world of economic geology. Additionally, a workshop on deep geothermal resources in NW Europe was organised.

Besides four days full of exciting scientific presentations, the program included four geotouristic mid-conference fieldtrips to the cultural and geological heritage of the region and six 2-3 days long scientific field trips. The latter illustrated various late Palaeozoic depositional records and systems in the marine and continental records of the Central Europe. Those field trips allowed to explore some of the most classical regions of the Carboniferous in Belgium and Germany, as well as the extraordinary Rotliegend

and Zechstein facies of the Permian in Germany. A field trip to the Carnic Alps rounded up the program, and enabled insights into the Pennsylvanian and Permian development at the northwestern margin of the Palaeotethys.

The conference abstracts and the field guides have been published in two volumes of the Kölner Forum für Geologie und Paläontologie; both of them are more than 300 pages thick. At least the field guide volume should be on the shelf of every geologist interested in the Carboniferous and Permian of Central Europe.

The growing number of students and early career scientists attending the ICCP is a very promising signal for the renewal of the scientific community studying the Late Palaeozoic. Rebekka Schulze Hobeling from the University of Münster (Germany) won the Student Poster Award and Heba El-Desouky from the Mansoura University (Egypt) the Outstanding Early Career Scientists Poster Award.

The congress dinner was a special highlight of the congress. A cruise on the river Rhine brought the conference party through the sunset and many pictures were taken on the return in front of the impressive waterfront of the city and especially the nightly view of the famous Cologne Cathedral. The party continued on the boat and later in the cafes of the city center rather late, which was accommodated by a late start of the scientific program on the following morning. A special thank you goes to Isabel Montanez for a fantastic plenary lecture, who brought also the hardest partygoers back to the lecture halls.

The organizers thank all participants, student helpers and sponsors who made ICCP 2019 such a success. IAS is thanked for providing travel grants for students. Hopefully, this support will also be granted for the 20th ICCP, which will be organized in 2023 in Toulouse (by a good part of the IMS 2017 team).

Markus Aretz, on behalf of the organizing committee



Clock-wise: (1) Two proud holders of an IAS travel grant. (2) Photo from the opening session. Note the gigantic screen, so that the stairs became a prominent place for the speakers during the conference! (3) Feeding the crowd at the conference diner. (4) Recruiting a new delegate during the geotouristic walk through the city center. (5) Group photo of the post-conference field trip to the Kulm Basin. (6) View on the waterfront of the Cologne city center by night. Photo taken during the river cruise and conference diner.

Dr Harold Reading (1924-2019)

It is with sadness that we report the death of Dr Harold Reading, who passed away on 13th October at the age of 95. Harold Reading's name is intimately linked with the study of sedimentary facies, and with his classic textbook *Sedimentary Environments and Facies*.

Dr Reading served the International Association of Sedimentologists (IAS) as Publications Secretary, General Secretary and President over a period of nineteen years, seeing its membership increase five-fold, and extending its influence away from Western Europe to the wider world. In 1999, he was the IAS International lecturer, giving courses in Jordan, India and Pakistan, as well as many countries of Eastern Europe.

We send our condolences to Harold's family.

Ian Kane



Howard on the Dingle Peninsula Ireland during the 1974 Oxford University Postgraduate Fieldtrip.
Photo (left to right):

Dr. Raymond Young (PhD student, University of Oxford) (front left, with camera))

Dr. Ivor A.J. MacCarthy (University College, Cork) (rear left, standing)

Dr. Alan P. Heward (PhD student, University of Oxford) (white Aran sweater)

Dr. Harold G. Reading (University of Oxford)

Dr. John Thomas (University of Coleraine)

Dr. Stuart McKerrow (University of Oxford) (seated)

AN Other

Dr. Kourosh Amiri-Garroussi

Photograph by Professor Howard D. Johnson

Call for Abstracts for the EGU General Assembly

We are delighted to announce that the IAS is sponsoring 8 sessions at next year's EGU General Assembly to be held at Vienna, Austria between the 3rd and 8th May 2020. The IAS sponsored sessions are:



- Limnogeology - reading the geological record of lakes
- Carbonates!
- Extra-terrestrial sedimentology, stratigraphy and terrestrial analogues
- Mineral archives – insights on mineral formation in modern and ancient marine, terrestrial, and man-made systems
- Flow and bedform dynamics: current understanding of a complex interplay
- Signal Propagation in Sediment Routing Systems: a general session for structuring the future of European Source-to-Sink research and training
- From the Source to the Sea – River-Sea Systems under Global Change
- Glacial Overdeepenings: Preserving the sedimentary record through ice ages

Abstract submission is now open until the 15th January 2020, please consider submitting to one of the IAS sponsored sessions or one of the many other exciting sessions in the Stratigraphy, Sedimentology and Palaeontology (SSP) Division.

IAS student members will be eligible to apply for an IAS Student Travel Grant to the meeting using the link on their profile page of the IAS web site.

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

2019 has been a very successful year for the IAS with a record-breaking number of members.

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.

This 'reminder' may seem a little early, but early renewal is essential for those members who have elected to continue to receive printed copies of our journals. Print

numbers for each issue are carefully monitored in order to keep printing charges to the society to a minimum and keep our environmental impact as low as possible. 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.

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 National Correspondents

 <p>ITALY IV edition of Geological Meeting (28 Nov 2019) Posted 19 October 2019 READ MORE</p>	 <p>BOTSWANA CONNECT4 Water Resilience: The First Large Scale Investigation of Dam Sediments in Southern Africa. Posted 14 October 2019 READ MORE</p>
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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](#).

Grant Reports are available on the IAS web site

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

 <p>POSTGRADUATE REPORT Sandra de Castro Santos — Modern sandy contourites: Conceptual and economic implications Posted 13 October 2019 READ REPORT</p>

This month we have a new report from Sandra de Castro Santos.

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

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:

- M-fed conference — "Microbialites: formation, evolution, diagenesis" (28-30 October 2019, Dijon, France)
- From the North Sea Lowlands to the Celtic Shelf Edge — "Reconstructing interconnected environments for the past 500 kyrs" (18-20 November 2019, Utrecht, Netherlands)
- BSRG Annual General Meeting (14-15 December 2019, Egham, United Kingdom)
- 36th International Geological Congress (2-8 March 2020, Delhi, India)
- SEPM International Sedimentary Geosciences Congress - 2020 (26-29 April 2020, Flagstaff, US)
- 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 and WeChat

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



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