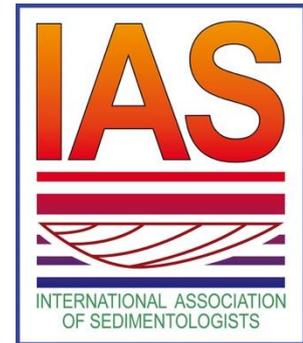


# The Newsletter of the International Association of Sedimentologists

Issue 2, 2020



Dear IAS Members,

The IAS always seeks to recognise and honour those who make an outstanding contribution to the field of Sedimentology, be they Early Career Scientists or established researchers. Please consider nominating a colleague for one of the forthcoming IAS awards – the IAS Johannes Walther Award, the IAS Early-Career Scientist Awards the IAS Sun Shu Prizes. Details for the nomination procedures are found below.

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*

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## Reminder – The call for nominations for the IAS Johannes Walther Award, IAS Early-Career Scientist Award and IAS Sun Shu Prizes are now open

Please consider nominating your colleagues for the [Johannes Walther](#), [Early-Career Scientist Awards](#) or [Sun Shu Prizes](#) of the IAS.

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



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 20<sup>th</sup> International Sedimentological Congress in Quebec (2018), the Johannes Walther Award was awarded to Rachel Wood.

The IAS Sun Shu Prizes are awarded to recognise outstanding work in the field of sedimentology. Candidates shall be Full Members of the IAS aged between 35-45 years old at the date of the submission deadline. The prizes are 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 €1,300 EUR and the SUN SHU medal. Winners will also be offered full membership of IAS for 2 years.



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

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## Early bird registration for the 35<sup>th</sup> IMS closes soon!



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

You can save up to €100 by making use of the Early Bird Registration discount up to March the 31<sup>st</sup>.

All IAS members will also benefit from an additional discount on the registration fee (saving up to another €100 on the full registration price!) and IAS student members can also apply for an IAS travel grant (deadline 15 March 2020).

Visit the [meeting website here](#) and get registered today! You can also follow all meeting news on Twitter @IASPrague2020.

See you in Prague!

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## Get to know the IAS Early Career Scientists Committee Member Romain Vaucher

Specialising in clastic shallow-marine environment, I am a fieldwork sedimentologist working on both modern and ancient sedimentary system.

I have worked on systems in Europe, Madagascar, Bahamas, Morocco, Argentina, and presently, Taiwan. I graduated from the University of Geneva (Switzerland), I completed my Ph.D at the University of Lyon (France) in 2017.



After obtaining my Ph.D, I started a 2-year postdoc at the National University of Córdoba (Argentina). Since May 2019, I am now a postdoctoral fellow at Simon Fraser University (Canada) in collaboration with the National Taiwan University (Taiwan). As a member of the Early Career Scientists of the IAS, I look forward to helping young scientists finding their way and making my experience available to them.

*Romain Vaucher*

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## Follow the IAS journals on Twitter

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

Stay up to date on the latest happenings in @sedimentology by following the IAS journals:

@JSedimentology, @DepositRecord, @BasinResearch.



## Membership of the IAS provides many benefits

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

The IAS is a registered not-for-profit organisation working to promote the broad field of sedimentology and support sedimentologists in academia and industry.

When renewing your membership, please also think about opting-out of receiving 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 sponsorship activities of the IAS.

STUDENT	FULL
10€	25€
<b>INCLUDED</b>	<b>INCLUDED</b>
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
<b>OPTIONAL</b>	<b>OPTIONAL</b>
Printed Sedimentology <b>+10€</b>	Multiple years at reduced fee
Online Petroleum Geology <b>+45€</b>	Printed Sedimentology <b>+10€</b>
Online + Printed Petroleum Geology <b>+50€</b>	Online Petroleum Geology <b>+45€</b>
Friendship Scheme Sponsor <b>+15€</b>	Online + Printed Petroleum Geology <b>+50€</b>
	Friendship Scheme Sponsor <b>+15€</b>
<a href="#">Read more</a>	<a href="#">Read more</a>

## Grant Reports on the IAS web site

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

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

<p>POSTGRADUATE REPORT <b>Elizabeth Balmer</b> — Sedimentation of the remnant Tethys in the easternmost Mediterranean region: new evidence from western Cyprus Posted 27 February 2020 <a href="#">READ REPORT</a></p>	<p>POSTGRADUATE REPORT <b>Ru Wang</b> — Database-driven quantitative analysis of the internal facies architecture of incised-valley fill successions: implications for determining the relative roles of sea level, tectonics and sediment supply Posted 15 January 2020 <a href="#">READ REPORT</a></p>
<p>POSTGRADUATE REPORT <b>Thomas Vandyk</b> — Precambrian Glacial sedimentology from the Mineral Fork Formation, USA Posted 9 December 2019 <a href="#">READ REPORT</a></p>	<p>POSTGRADUATE REPORT <b>Gloria Otosigbo</b> — The effects of diagenetic clay minerals, sedimentary structures and biogenic activities in the clastic reservoir Niger Delta Basin. Posted 9 December 2019 <a href="#">READ REPORT</a></p>

## IAS Special Lecture Tour report – Chris Fielding visits Charles University in Prague and the Academy of Sciences of the Czech Republic

On October 16<sup>th</sup>, 2019, the Institute of Geology and Paleontology at the Faculty of Science, Charles University in Prague hosted a visit by Prof. Christopher Fielding (University of Nebraska-Lincoln), as part of the IAS Special Lecture Tour. Chris gave a lecture entitled *Towards a new generation of facies models for fluvial systems and their deposits*. Several tens of students and professional geologists from the geoscience branch of the Faculty of Science and from other geological institutions enjoyed the lecture that was followed by a vivid discussion.



Fluvial sedimentology is of great interest to Czech geologists because fluvial strata are significantly represented in the infills of a number of sedimentary basins of the Bohemian Massif and vicinity. Therefore, our geological community greatly appreciated the opportunity to discuss various aspects of current progress in this discipline, also less formally after this event.

The next day, October 17<sup>th</sup>, a field trip jointly organized by the Czech Geological Survey and the Institute of Geology and Paleontology took

Chris and a group of Czech colleagues to examine fluvial strata of Pennsylvanian age in several large-scale open-pits in western Czech Republic. The busy day was finished in the historical building of the National Museum in Prague where the Czech Geological Survey celebrated a 100 year of its foundation.

A more specific part of Chris Fielding's research was presented at another lecture held on October 18<sup>th</sup> at the Institute of Geophysics of the Czech Academy of Sciences, entitled *Tectonic controls on Cenomanian and Turonian deltaic successions in the Western Cordilleran Foreland Basin*. This topic was greatly appreciated by colleagues involved in Cretaceous palaeoclimate and sea-level change, and the issues of deciphering tectonic versus eustatic signatures from the stratigraphic record. A field trip to the scenic sandstone country of the Bohemian Cretaceous that followed the next day was an opportunity so see time-equivalents of the fluvio-deltaic systems studied by Chris and his students in the southwestern the USA and to discuss potential sea-level controls.



We hope that the visit to Czech Republic was as enjoyable for Chris as his presentations and discussions were for us. Thanks Chris, and thanks also to the IAS for the generous support of the Special Lecturer Tour programme.

*Stanislav Opluštil and David Uličný*

## IAS Sponsored Meeting report

### M-fed – Microbialites: formation, evolution and diagenesis meeting University of Burgundy

The M-fed – Microbialites: formation, evolution and diagenesis meeting was organized at the University of Burgundy for the community working on microbial mats and microbialites. The overarching goal for the meeting was to discuss emerging aspects of microbialite research, from molecules to fabrics, including early to late diagenesis and the fossil record.



A total of 28 people participated in the field trip, during which we visited fossil and modern microbialites of the Limagne Basin (Massif Central, France) and 70 colleagues collaborated during the three-day workshop (keynotes, oral and poster presentations and breakout sessions).

The meeting was specifically aimed at early-career scientists, who presented the majority of the participants, and offered ample opportunity to network with colleagues of diverse backgrounds. The scope of this meeting was to review novel and incipient aspects of microbialite formation, evolution and diagenesis in small breakout groups. The discussion topics included: 1) Experimental approaches and outlook: linking the field to the lab and the lab to the field; 2) Biomineralization vs. organomineralization and the role of intrinsic and extrinsic factors in shaping the microbialite systems/fabrics; 3) Microbialite fabrics from formation to diagenesis and preservation (or lack thereof) in the fossil record and 4) Into deep time: looking for microbialite biosignatures in the fossil record.

The discussion during the breakout sessions was productive and educative, and laid the foundation for a novel, exciting network of scientists working on microbialites. The audience was engaged and there was a general desire to create a research forum. Concretely, we will produce a special volume (BSGF – Earth Science Bulletin) with short publications and a synthesis of the main results of our discussion highlighting the need for exchange between the different groups of researchers, those working on processes leading to the formation of microbialites and those one working on the sedimentary archives.

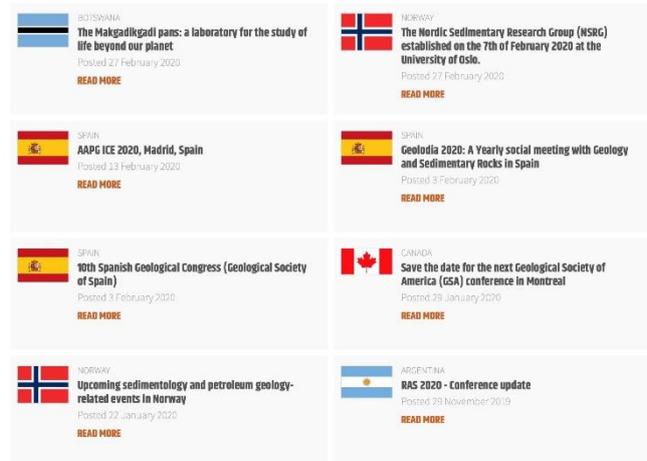
This is the first workshop on microbialites in Europe and not a one-shot meeting – we have found volunteers to step up to the plate for a second workshop in two years (2021)!

*Emmanuelle Vennin, Pieter Visscher and Anthony Bouton*

## IAS Regional Correspondents

IAS [Regional 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 [Regional 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 Regional Correspondent and let them know. Similarly, if your country lacks a Regional 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](#).



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## Deadline 31<sup>st</sup> March 2020 - for the Judith McKenzie Field Work Award

The [Judith McKenzie Field Work Award](#) aims to promote sedimentological field observations for the newest generation of Earth Scientists – MSc Students.

Up to 5 awards of €300 each, will be awarded twice per year to IAS student members. Since the award is only available for MSc students, proof of student status will be required. The awardee shall also receive a one-year IAS student membership, upon submission of their MSc thesis.

Applicants should apply for the Judith McKenzie Field Work Award via the [IAS website here](#). The application requires submission of a grant proposal (written by the student) with budget and CV (template provided on the submission webpage), and a signed letter of recommendation from the student's supervisor.

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## Deadline 31<sup>st</sup> March 2020 - applications for IAS Post-Doctoral Research Grants (Spring 2020 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.

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.
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### **Deadline 31<sup>st</sup> March 2020 - applications for Post-Graduate Research Grants (Spring 2020 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](#).

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

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### **Deadline 31<sup>st</sup> March 2020 - applications for Institutional Grants (Spring 2020 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](#).

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:

- EGU General Assembly 2020 (3-8 May 2020, Vienna, Austria)
- Carbonate Forum 2020 (12-14 May 2020, Manchester, UK)
- Age Models and Geochronology: An Introduction to Different Age-depth Modelling Approaches (26-27 May 2020, Bremen, Germany)
- XVII RAS Argentine Meeting of Sedimentology (8-11 June 2020, Paraná, Argentina)
- 35th IAS Meeting of Sedimentology (22-25 Jun 2020, Prague, Czech Republic)
- 5th Working Group of Sediment Generation Meeting (1-3 July 2020, Milan, Italy)
- Climate Change, The Karst Record — "KR9 Conference" (12-15 July 2020, Innsbruck, Austria)
- Argentinean Geological Congress (21-25 July 2020, Puerto Madryn, Argentina)
- 3<sup>rd</sup> Summer School on Sandstone Diagenesis (7-11 September 2020, Erlangen, Germany)
- 10th International Conference of Tidal Sedimentology (Postponed to 31 August - 2 September 2021, 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.

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## 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.

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## 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.

