

# The Newsletter of the International Association of Sedimentologists

Issue 9, 2020



Dear IAS Members,  
Welcome to the September 2020 IAS Newsletter.

This month, we are delighted to announce the first recipients of the Sun Shu Prize China and Sun Shu Prize International. These new biennial awards, made in collaboration with the China Association of Sedimentologists (CAS), recognise outstanding scientists in the field of sedimentology.

The closing of September sees the deadline for the current round of IAS grant applications. If you wish to apply for one of the 20 grants, in any of the four different grant categories, then you only have a few days to submit your applications before the closing date on the 30<sup>th</sup> of September!

Please feel free to distribute this newsletter amongst any colleagues who have yet to realise the benefits of membership of the IAS.

On behalf of the Society, I wish you and your families continued safety and good health.

Stephen Lokier, *General Secretary*

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## Stay up to date – Follow the IAS on Social Media!

Follow the IAS on [Facebook](#), [Twitter](#), [WeChat](#) and [LinkedIn](#) to keep up to date with all of the latest news, announcements and happenings.

@sedimentology and IAS沉积学之家



## Announcing the winners of the Sun Shu Research Prizes 2020

The biennial Sun Shu Prizes (Sun Shu Prize China and Sun Shu Prize International) are awarded by the IAS in collaboration with the China Association of Sedimentologists (CAS) 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. He was a true pioneer in terms of using tectonic facies analysis concepts and sedimentological data to solve problems related to tectonics and basin analysis.



Huaichun Wu, Winner of the Sun Shu Prize China, 2020

*Alex has a long-standing reputation in carbonate diagenesis and geochemistry, particularly with respect to his research into elemental and isotope geochemistry. His work has largely been applied to palaeoclimatic reconstruction, in particular during the Palaeoproterozoic and Archaen. This has added significantly to our understanding of the emergence of life on Earth, as well as changes in ocean chemistry and atmospheric composition, including the Great Oxidation Event.*

We hope that Drs Wu and Brasier will join us at the official award ceremony at the 35<sup>th</sup> International Meeting of Sedimentology, in Prague in June 2021.

Citation transcripts will be published following the official awards ceremony.

The IAS is delighted to announce that Dr Huaichun Wu, School of Ocean Sciences, China University of Geosciences, is the recipient of the 2020 Shu Prize China.

*Huaichun has applied Milankovitch sedimentary cycles to construct high-resolution astronomical time scales for calibration with the international geological time scale. He has deciphered global and regional climate change controlled by astronomical forcing in Cretaceous continental records and Paleozoic marine sedimentary rocks.*

We are also thrilled to announce that Dr Alexander Brasier, School of Geosciences, University of Aberdeen, has been awarded the 2020 Shu Prize International.



Alex Brasier, Winner of the Sun Shu Prize International, 2020

## IAS Regional Correspondents

We are pleased to welcome new IAS Regional Correspondents for Morocco, Austria and Poland!

The IAS **Regional Correspondents** are your local hotline to the IAS.

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 region and the IAS. If you know of any sedimentology events going on in your region, then please get in touch with your Regional Correspondent and let them know. Similarly, if your region 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](#).

### AMERICAS

ARGENTINA ERNESTO SCHWARZ • BOLIVIA GRISEL JIMENEZ SOTO • BRAZIL GIORGIO BASILICI • CANADA ALEXANDRE NORMANDEAU  
• ECUADOR JORGE TORO ALAVA • UNITED STATES GAIL ASHLEY • VENEZUELA JHONNY E. CASAS

### EUROPE

AUSTRIA SIGRID MISSONI • BELGIUM ANNE-CHRISTINE DA SILVA • BULGARIA GEORGE AJDANUSKY • CROATIA LARA WACHA • CZECHIA ONDREJ BABEK • DENMARK MORTEN BJERAGER • FINLAND KARI STRAND • FRANCE EMMANUELLE VENNIN • GERMANY SEBASTIAN LINDBORST • GREECE PAVLOS AVRAMIDIS • HUNGARY ANDREA MINDOSZENTY • IRELAND PETER HAUGHTON • ITALY MARCO BRANDANO • MALTA PETER GATT • NETHERLANDS JOAO P. TRABUCHO ALEXANDRE • NORWAY STEN-ANDREAS GRUNDVIG • PORTUGAL PEDRO CUNHA • RUSSIA DMITRIY GRAZHDANKIN • SLOVAKIA MICHAL ŠUJAN • SLOVENIA ADRIJAN KOSIR • SPAIN JUAN IGNACIO BACETA • SWEDEN THOMAS STEVENS • SWITZERLAND HENDRIK VOGEL • UNITED KINGDOM JACO H. BAAS

### AFRICA

BOTSWANA FULVIO FRANCHI • EGYPT MAGDA ABOU EL SAFA • SOUTH AFRICA ZUBAIR JINNAH

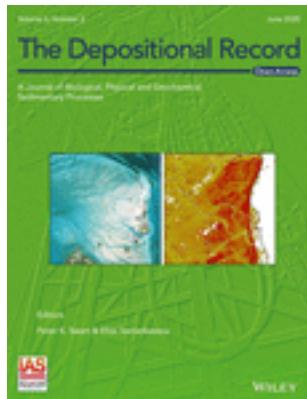
### ASIA

CHINA XUELIAN YU • GEORGIA TAMAR BERIDZE • INDIA ROHIT KUMAR • IRAN MOHAMMAD LANKARANI • ISRAEL NICOLAS WALDMANN • JAPAN TAKAHIRO UTSUGAWA • KUWAIT ALHAM JASEM AL-LANGAWI • MALAYSIA HAYLAY TSEGAB GEBRETSADIK • OHAN IFTIKHAR AHMED ABBASI • SAUDI ARABIA ALEXANDER PETROVIC • TAIWAN STEVEN LAI • THAILAND KASIRA LAITRAKULL • TURKEY EZHER TAGLIASACCHI • UNITED ARAB EMIRATES DOMINIK HENNHOFER

### OCEANIA

AUSTRALIA SARA MORÓN • NEW ZEALAND KAROLY NEMETH

**The IAS covers Article Processing Charges for papers accepted in The Depositional Record!**



**The Depositional Record** is a fully open access journal publishing high quality articles from across the field of Sedimentology. The journal covers all timescales, from Ancient to Modern Earth and welcomes articles that emphasise the application of sedimentary processes to the study of paleoclimate, changes in the chemical environment, ocean acidification, extra-terrestrial sedimentology, and the application of genetic methods to understanding sedimentological processes. **Article publication charges are currently covered by the IAS, so [submit your paper today!](#)**



## The 35<sup>th</sup> International Meeting of Sedimentology, Prague 2021



The 35<sup>th</sup> International Meeting of Sedimentology will be held between June 22<sup>nd</sup>– 24<sup>th</sup> 2021 in Prague, Czech Republic.

The scientific program of the 2021 conference,

including the special sessions, field trips, short courses, Early Career Scientist activities, and other activities will be largely carried over from this year's cancelled meeting with only minor changes. Full updates and a renewed call for sessions will be announced in the First Circular – coming soon.

Updated information about the conference is available on our new website: [www.iasprague2021.com](http://www.iasprague2021.com)

## Last call! – Applications for Institutional Grants (Autumn 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](#). Application deadline for the Autumn 2020 Session is **30<sup>th</sup> September 2020**.

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

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### Online resources sponsored by the IAS....

The IAS is proud to sponsor several online resources that, we hope, act to make our lives a little easier during the ongoing disruptions caused by COVID-19.

**Carbonateworld** is an online atlas containing more than 800 images covering an extensive spectrum of carbonate textures, grain types, diagenetic features, depositional environments and case studies. The images are organised in categories and subcategories (e.g., carbonate rock classification, skeletal grains, ooids, corals, burial diagenesis etc.) and are frequently updated with new material.

<https://carbonateworld.com/>

Carbonateworld is a Web Tutorial for the Petrographic Analysis of Carbonate Rocks. It offers a wide range of sedimentary diagrams and photomicrographs, currently more than 800 images covering an extensive spectrum of carbonate textures, grain types, diagenetic features, depositional environments and case studies. [START EXPLORING](#)

Seds Online is the worldwide hub for sedimentologists. [Home Page](#) [About Us](#) [Events](#) [Coffee Breaks](#) [Teaching Library](#) [Webinar Library](#) [Get Involved](#) [The Team](#) [Terms & Conditions](#) [Privacy Policy](#)

**SEDS  
ONLINE**

Sponsored by the International Association of Sedimentologists

E-mail: [enquiries@sedsonline.com](mailto:enquiries@sedsonline.com)  
Twitter: [@Seds\\_Online](#) to access, click [here!](#)

**Seds Online** is an exciting free, online initiative that provides an interactive, adaptable and accessible online platform for anyone with an interest in the field of sedimentology. **Seds Online** welcomes members at any career stage, from both industry and academia!

<https://sedsonline.com>: Twitter [@Seds\\_Online](#)

## Membership of the IAS has many, many BENEFITS

Membership of the IAS provides benefits to you and to our community via the many and diverse sponsorship schemes of the IAS.

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

You can make a significant saving by becoming a full member for 5 years at a cost of only €100 or, for those of a younger persuasion (!), why not consider taking out a lifetime membership?

When renewing, please consider helping us reduce our environmental footprint by opting-out of receiving printed copies of *Sedimentology*. Choose this option under the Membership section of *My Profile* on the IAS web site – as well as the environmental aspect, 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>
<a href="#">Read more</a>	<a href="#">Read more</a>

## Grant Reports on the IAS web site

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

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

 POSTGRADUATE REPORT  
Marie Matousek — Provenance and Diagenesis of the Upper Miocene Sandstones from the South-Western Part of the Pannonian Basin System, Croatia  
Posted 22 June 2020  
[READ REPORT](#)

 POSTGRADUATE REPORT  
Emma Graf — Source to sink: documenting the journey of landside sediment following the 2015 Gorkha (Nepal) earthquake  
Posted 22 June 2020  
[READ REPORT](#)

 POSTGRADUATE REPORT  
Pawel Godlewski — Application of macroscopic and microscopic proxies for interpretation of submarine gravity flows characteristics in deep-marine Cergowa beds (Oligocene), Outer/Flysch Carpathians of Poland and Slovakia  
Posted 25 May 2020  
[READ REPORT](#)

 POSTGRADUATE REPORT  
Dawei Liu — Reconstructing the provenance of Glacial Lake Outburst Floods (GLOFs) in Chilean Patagonia Using Sr and Nd isotopes  
Posted 25 May 2020  
[READ REPORT](#)

 POSTGRADUATE REPORT  
Hamid Rabbani — Diagenetic studies of the Samana Salt Formation (middle Jurassic) in the Hazara basin and its adjoining areas: implications of fluid flow evolution on reservoir heterogeneities  
Posted 25 May 2020  
[READ REPORT](#)

 POSTGRADUATE REPORT  
Luzing Dou — Paleosols in Outcrops of Red Beds Formed in the Late Cretaceous Mid-latitude Terrestrial Climate  
Posted 1 April 2020  
[READ REPORT](#)

## The Journals of the IAS

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](#)

All of the journals of the IAS are active on Twitter. Stay up to date on the latest news and papers in @sedimentology by following the IAS journals: @JSedimentology, @DepositRecord, @BasinResearch.



## **Obituary: Dr Sigrid Missoni, 27<sup>th</sup> April 1972 – 6<sup>th</sup> June 2020**

On 6<sup>th</sup> June 2020 Dr Sigrid Missoni died at the age of 48 after a long illness. Sigrid was born on 27<sup>th</sup> April 1972 in Klagenfurt, Austria. After school, she started her studies at the Montanuniversität Leoben and graduated with a degree in Applied Geosciences in 1999. Her diploma thesis led her to an area in the Karavank Mountains characterised by extraordinary complexity. Unravelling and understanding this complexity of her home mountains kept her busy and driven throughout her career. Six months prior to her death, badly drawn due to illness, Sigrid was still heading into the isolated Karavank Mountains, south of Lake Wörthersee, to pursue with her geological work.



Her dissertation took Sigrid Missoni to the Northern Calcareous Alps. Here Sigrid dealt with the polyphase geological history of the Berchtesgaden Alps, with a special focus on the Triassic-Jurassic evolution of the North Alpine Mesozoic. A topic that she pursued throughout her further geological life, not only in the Northern Calcareous Alps but also in the context of further research in the Western Carpathians, the Southern Alps, the Dinarids and the Pannonian region. Between 2011 to 2014, Sigrid was also involved in a Hertha-Firnberg (FWF) project dealing with the open marine Triassic sedimentary rocks of the Tethys oceans and their conditions of deposition, here, by the application of advanced geochemical signatures, she developed a better understanding of several controversial problems.

After completing her dissertation in 2004, her professional career led Sigrid back to the Karavank Mountains. She worked as a hydrogeologist at STW Klagenfurt AG until 2006, but then returned to the Montanuniversität Leoben as part of a postdoc project on the Karavank Mountains construction plan. Since 2004, Sigrid has been involved in numerous multinational cooperation projects, moving her activities to Albania, Croatia, Greece, Hungary, Italy, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, and China. With a strong work ethic, enormous discipline and tireless energy she produced the basis for new scientific knowledge and models.

In her concern to decipher open questions, Sigrid was frequently hampered by excessive perfectionism - insufficient data often did not allow final answers and unfortunately way too few (preliminary) results came to publication. With her early death she leaves behind an enormous amount of data and numerous semi-finished projects, which are to be completed in her sense, to her legacy.

Sigrid's lively, enthusiastic, strong-willed and straightforward character could often lead to confrontations during scientific discussions. Her resolute character engendered respect and recognition in the scientific community but could also lead to some resistance and acrimonious discussions. Typically, it was only after the successful completion of their studies that supervised students appreciated the benefits of Sigrid's strict guidance – with an emphasis on maximum precision, conservation of resources and meticulousness throughout the complete scientific process – from sampling, through laboratory analysis to result presentation. Similarly, the probing questions she tackled open problems and the vehement defence of her points of view, often beyond mainstream opinions, were appreciated by many colleagues only after a long journey. Insights, based on her data, often saw Sigrid swim intransigently against the current, even if it was to her personal disadvantage.

Her pragmatic organising ability was highly regarded. As a result, the 29<sup>th</sup> IAS Meeting in Schladming in 2012, the 7<sup>th</sup> European Symposium of the International Fossil Algae Association in 2013 and the 1<sup>st</sup> EGU Emile Argand Conference (Alpine Workshop) in 2013, all substantially led by Sigrid, became great successes. Since 2014 Sigrid was the IAS national correspondent for Austria.

Sigrid Missoni left us far too early and leaves a large void. We miss her and will keep her in grateful memory.

*Hans-Jürgen Gawlick, Matthias Auer*

## Last call! – Applications for Post-Graduate Research Grants (Autumn 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](#). Application deadline for the Autumn 2020 Session is **30<sup>th</sup> September 2020**.

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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## Last call! – Applications for the Judith McKenzie Field Work Award (Autumn 2020 Session)

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.



Application deadline for the Autumn 2020 Session is **30<sup>th</sup> September 2020**.

## Last call! – Applications for IAS Post-Doctoral Research Grants (Autumn 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.

Application deadline for the Autumn 2020 Session is **30<sup>th</sup> September 2020**.

### 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.

