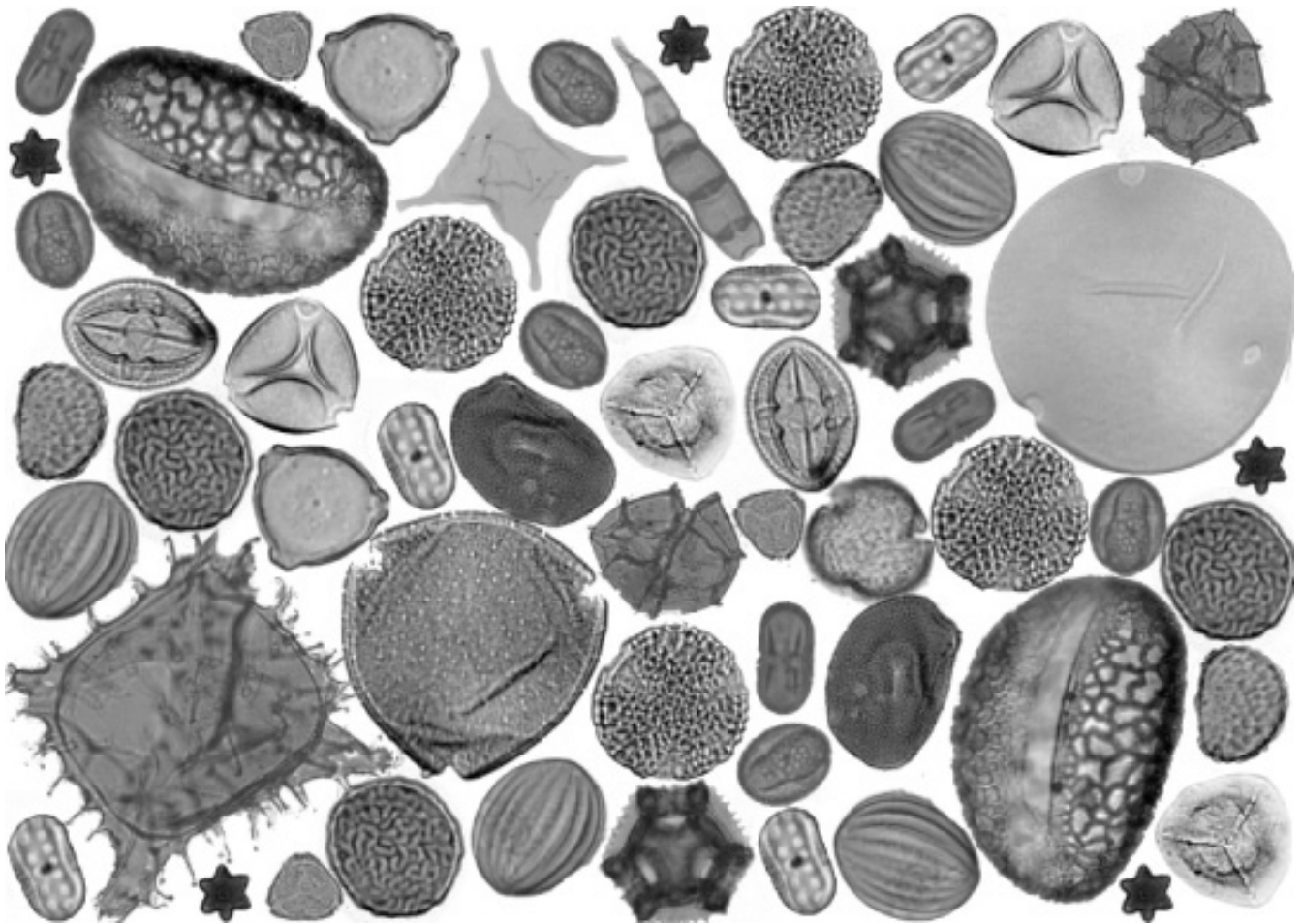




# **AASP – The Palynological Society**

Promoting the Scientific Understanding of Palynology since 1967



# NEWSLETTER

June 2019  
Volume 52, Number 2

Published Quarterly



# AASP – TPS NEWSLETTER

Published Quarterly by AASP – The Palynological Society

June 2019, Volume 52, Number 2

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# AASP

The Palynological Society

The American Association of Stratigraphic Palynologists, Inc. - AASP - The Palynological Society - was established in 1967 by a group of 31 founding members to promote the science of palynology. Today AASP has a world-wide membership of about 800 and is run by an executive comprising an elected Board of Directors and subsidiary boards and committees. AASP welcomes new members.

The AASP Foundation publishes the journal *Palynology* (quarterly), the AASP Newsletter (quarterly), and the AASP Contributions Series (mostly monographs, issued irregularly), as well as several books and miscellaneous items. AASP organises an Annual Meeting which usually includes a field trip, a business luncheon, social events, and technical sessions where research results are presented on all aspects of palynology.

## **AASP Scientific Medal recipients**

Professor William R. Evitt (awarded 1982)  
Professor William G. Chaloner (awarded 1984)  
Dr. Lewis E. Stover (awarded 1988)  
Dr. Graham Lee Williams (awarded 1996)  
Dr. Hans Gocht (awarded 1996)  
Professor Svein B. Manum (awarded 2002)  
Professor Barrie Dale (awarded 2004)  
Dr. David Wall (awarded 2004)  
Dr. Robin Helby (awarded 2005)  
Dr. Satish K. Srivastava (awarded 2006)  
Professor Estella B. Leopold (awarded 2013)  
Professor Vaughn M. Bryant (awarded 2016)  
Professor David Batten (awarded 2018)

## **AASP Honorary Members**

Professor Dr. Alfred Eisenack (elected 1975)  
Dr. William S. Hoffmeister (elected 1975)  
Professor Leonard R. Wilson (elected 1975)  
Professor Knut Faegri (elected 1977)  
Professor Charles Downie (elected 1982)  
Professor William R. Evitt (elected 1989)  
Professor Lucy M. Cranwell (elected 1989)  
Dr. Tamara F. Vozzhennikova (elected 1990)  
Professor Aural T. Cross (elected 1991)  
Dr. Robert T. Clarke (awarded 2002)  
Professor Vaughn Bryant (awarded 2005)  
Professor Alfred Traverse (awarded 2005)  
Professor Bernard Owens (awarded 2011)  
Dr. John E. Williams (awarded 2013)  
Mr. Paul W. Nygreen (awarded 2013)  
Professor Norman Norton (awarded 2016)

## **AASP Board of Directors Award recipient**

Dr. Robert T. Clarke (awarded 1994)  
Dr. Thomas D. Demchuk (awarded 2014)

## **Teaching medal recipients**

Professor Aural T. Cross (awarded 1999)  
Professor Alfred Traverse (awarded 2001)  
Professor Bill Evitt (awarded 2006)  
Professor Vaughn M. Bryant (awarded 2013)  
Professor Geoffrey Clayton (awarded 2016)

## **AASP Distinguished Service Award recipients**

Dr. Robert T. Clarke (awarded 1978)  
Dr. Norman J. Norton (awarded 1978)  
Dr. Jack D. Burgess (awarded 1982)  
Dr. Richard W. Hedlund (awarded 1982)  
Dr. John A. Clendening (awarded 1987)  
Dr. Kenneth M. Piel (awarded 1990)  
Dr. Gordon D. Wood (awarded 1993)  
Dr. Jan Jansonius (awarded 1995)  
Dr. D. Colin McGregor (awarded 1995)  
Professor John H. Wrenn (awarded 1998)  
Professor Vaughn M. Bryant (awarded 1999)  
Dr. Donald W. Engelhardt (awarded 2000)  
Dr. David T. Pocknall (awarded 2005)  
Dr. David K. Goodman (awarded 2005)  
Professor Owen K. Davis (awarded 2005)  
Dr. Thomas Demchuk (awarded 2009)  
Professor Reed Wicander (awarded 2014)  
Professor Fredrick Rich (awarded 2016)  
Dr. James B. Riding (awarded 2016)



# AASP – TPS NEWSLETTER

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Gilda Lopes, Editor

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## BOARD OF DIRECTORS

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Directors at Large

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Katrín Ruckwied - 2018 - 2019 (President 2019 - 2021)  
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Rebecca Hackworth - 2018 - 2019  
James Riding - 2018-2019  
Fabienne Marret  
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– *Currently Vacant* –

To express interest in open correspondent positions, please send an email to:  
[aaspnews@gmail.com](mailto:aaspnews@gmail.com)

## AASP WEBMASTER

Fabienne Marret, [aaspwebmaster@gmail.com](mailto:aaspwebmaster@gmail.com), website: <http://www.palynology.org>

## AASP NEWSLETTER EDITOR

Gilda Lopes, [aaspnews@gmail.com](mailto:aaspnews@gmail.com), Faro, Portugal

## AASP NEWSLETTER GRAPHIC DESIGN (June 2019 Issue)

Filipe Barreira, Laboratório Nacional de Energia e Geologia (LNEG), S. Mamede Infesta, Portugal

The AASP – TPS Newsletter is published four times annually. Members are encouraged to submit articles, “letters to the editor,” technical notes, meetings reports, information about “members in the news,” new websites and information about job openings. Every effort will be made to publish all information received from our membership. Contributions which include photographs should be submitted two weeks before the deadline.

**Deadline for submission for the next issue of the newsletter is AUGUST 15.** All information should be sent by email. If possible, please illustrate your contribution with art, line drawings, eye-catching logos, black & white photos, colour photos, etc. **We DO look forward to contributions from our membership.**



# A Message From Our President

Dear AASP – TPS members,

Since my previous letter, where I called upon all members to use their voting rights, the election for the Board has taken place through electronic voting. I must, therefore, admit that I am a bit disappointed by the fact that only 36% of our members cast their ballots. I feel that a 60 % participation should be a minimum, so I leave the relay stick to my successor Katrin Ruckwied to reach the target next time! So first, thanks a lot to all of you who did vote! Secondly, a big thanks to those standing for office in this year's election, also those who were not elected. We certainly appreciate your willingness to take part in our work and hope you would like to consider taking on duties also in the future. Last but not least; congratulations to the new member to the board: Director-at-large: Kimberley Bell (Univ of Calgary, Canada) and to those board members who were re-elected: our secretary Stephen Stukins, treasurer: Rebecca Hackworth and our managing editor Jim Riding. We are truly grateful for your contributions. I would also like to extend our thanks to the Ballot Committee members: Gilda Lopes and Sofie Lindström.

Since my previous presidential letter, we have run the mid-Year Board meeting where we a.o. discussed the future of our journal *Palynology*. I am sure you are all aware of the ongoing global change of accelerating the transition to full and immediate open access for publications (the so-called Plan S). This will give us some future big challenges to consider. A first step might be to move to online-only delivery of *Palynology*, so referring to the previous newsletter (page 7), please consider our Editor Jim Riding's challenge to give your views on this matter.

Our annual meeting in Ghent this year is coming closer and I really hope to see many of you there. In addition to a general palynology session, the four dedicated sessions on Paleozoic palynology, Analytical palynology, Integrative Cenozoic palynology: enhancing insights in environmental change and Teratology in palynology, should really cover most of the wide range of interesting aspects of palynology. Therefore, if you still have not signed up, do so!

See you there!  
Gunn



Photo: AASP meeting in Argentina 2014

# Managing Editor's Report

Part 2 of *Palynology* Volume 43 was published online a few weeks ago. This issue comprises nine research papers plus a citation for the AASP Medal for Scientific Excellence award to the late David J. Batten and two obituaries. The contents of Part 2 are reproduced below. As I write, Parts 1 and 2 of Volume 43 are being printed, and all members who signed up for paper copies will receive this one shortly. We have plenty of papers ready to be printed so the society has agreed to fund around 45 extra pages in Parts 3 and 4. This means that the combined printed issue mailed later this year will have around 380 pages.

One of the accepted manuscripts on the website is a paper entitled 'A review of the areoligeracean dinoflagellate cyst *Cyclonephelium* and morphologically similar genera' by Rob Fensome and three others (<https://www.tandfonline.com/doi/full/10.1080/01916122.2019.1596391>). This taxonomic review paper will be formally published soon as a Supplement to Volume 43. It comprises around 67 printed pages and will not be printed, but just available online. It was fully paid for by the authors and thus does not encroach on the annual page budget. If anyone is interested in publishing a large paper as a Supplement to *Palynology*, please get in contact with me.

James B. Riding

Managing Editor, AASP – The Palynological Society

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7th May 2019



## The contents of *Palynology* Volume 43, Part 2

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1. Head, M.J. AASP Medal for Scientific Excellence. Professor David J. Batten. 175–180.
2. White, J.M., Galloway, J., Mangerud, G. and Beauchamp, B. Obituary. John Utting (1940–2018). 181–183.
3. Owens, B., Romano, M., Wellman, C.H. and Riding, J.B. Obituary. Edwin George ('Ted') Spinner (1938–2018). 184–187.
4. Medina-Acosta, M., Grether, R., Martínez-Bernal, A. and Ramírez-Arriaga, E. Comparative study of pollen morphology and exine ultrastructure in tetrads, octads and polyads of the genus *Mimosa* (Leguminosae). 188–212.
5. Pandey, S and Minckley, T.A. Modern pollen-

vegetation studies from the Sajnekhali Island Wildlife Sanctuary, Sundarbans, Eastern India. 213–222.

6. D'Apolito, C., da Silva-Caminha, S.A.F., Jaramillo, C., Dino, R. and Soares, E.A.A. The Pliocene–Pleistocene palynology of the Negro River, Brazil. 223–243.

7. Karaismailoğlu, M.C. and Erol, O. Pollen morphology of some taxa of *Thlaspi* L. sensu lato (Brassicaceae) from Turkey, and its taxonomical importance. 244–254.

8. Rezende, A.C.C., Absy, M.L., Ferreira, M.G., Marinho, H.A. and Santos, O.A. Pollen of honey from *Melipona seminigra merrillae* Cockerell, 1919, *Scaptotrigona nigrohirta* Moure, 1968 and *Scaptotrigona* sp. Moure, 1942 (Apidae: Meliponini) reared in Sataré Mawé indigenous communities, Amazon, Brazil. 255–267.

9. El Beialy, S.Y., Head, M.J., El Atfy, H. and El

Khoriby, E.M. Dinoflagellate cyst evidence for the age and palaeoenvironments of the Upper Eocene–Oligocene Dabaa Formation, Qattara Depression, north Western Desert, Egypt. 268–291.

10. Rasoloarijao, T.M., Ramavovololona, P., Ramamonjisoa, R., Clemencet, J., Lebreton, G. and Delatte, H. Pollen morphology of melliferous plants for *Apis mellifera* unicolor in the tropical rainforest of Ranomafana National Park, Madagascar. 292–320.

11. El Shamma, A.G.A., Mostafa, T.F. and Makled, W.A. Discovery of Devonian scolecodonts from the subsurface Western Desert, Egypt. 321–332.

12. De Souza, C.N., Rezende, A.A. and Gasparino, E.C. Pollen morphology of Bignoniaceae from Brazilian forest fragments and its systematic significance. 333–347.

## Palynology online only - Please let us know what you think!

The Board recently held our midyear meeting and there was some discussion about moving to online-only delivery of *Palynology* at some stage in the future. More and more journals are dropping their printed version, and we felt that we should discuss this scenario.

Clearly there are pros and cons. We generally retain our love of printed media, despite the digital revolution. Most AASP members still choose the print and online option. The majority of palynologists work with illustrated books, papers, reports etc. at their microscopes. However it was pointed out at the meeting that you can easily load all your key articles onto your iPad.

On the flip side, the clear trend now is for online delivery of science journals. Furthermore, researchers are being forced to work in ever-

smaller offices and laboratories. This last point has led to many personal journal runs being consigned to the recycling bins. You can still print out high resolution copies of your 'must-have' pdfs, which of course will have full colour plates.

Many members have asked me about this recently, and the Board would love to get your views. We are very much 'in listening mode' on this issue. Please email me to let me know what you think. Please note that this is absolutely not a vote, we are simply canvassing opinion.

Thank you!

James B. Riding (Managing Editor)

E-mail: [jbri@bgs.ac.uk](mailto:jbri@bgs.ac.uk)

# AASP – TPS 2019 Elections Results

The AASP – TPS 2019 Ballot Committee would like to inform the AASP – TPS Members of the 2019 Elections Results. A total of 73 out of 202 members cast their ballots (36%). Following last year's trend, voter turnout was again relatively low.

We would like to report that the changes to the by-laws were approved by the members with 98.6% of the ballots being favourable to the changes.

Regarding the Board positions, the results are as followed:

Secretary: Stephen Stukins (97.3%)

Treasurer: Rebecca Hackworth (97.3%)

Managing Editor: James Riding (95.9%)

Director-at-large: Kimberley Bell (50.7%)

The Ballot Committee would like to congratulate our new elected officers, and also thank all the candidates that were up for election but did not get elected this year.

The elections took place between March 25 and April 21, 2019. The process was conducted electronically via SurveyMonkey and the ballot distributed to all members of the AASP mailing list.

April 29, 2019

Sincerely,

Gilda Lopes and Sofie Lindström

AASP – TPS 2019 Ballot Committee

## Help requested David Batten collections and research projects in progress

David Batten sadly passed away in February. With permission from David's family, Margaret Collinson is trying to ensure that important scientific material is not lost.

If you know of any research where important material was in David's possession please contact Margaret immediately at [M.collinson@rhul.ac.uk](mailto:M.collinson@rhul.ac.uk)

This would include work on palynology, palynofacies, mesofossils, megaspores and

items such as LM slides, SEM stubs, TEM grids, processed residues, rock samples, film negatives, photographs, digital files etc. Time frame 1969 to 2019.

Many thanks for your help.

Martin J. Head

# AASP – TPS 50th Anniversary Jewelry Collection

**Exclusive, Custom-made 50th Anniversary Jewelry**

**Limited-Edition and availability**



Special thanks to John Firth and Ingrid Romero for palynomorph images.

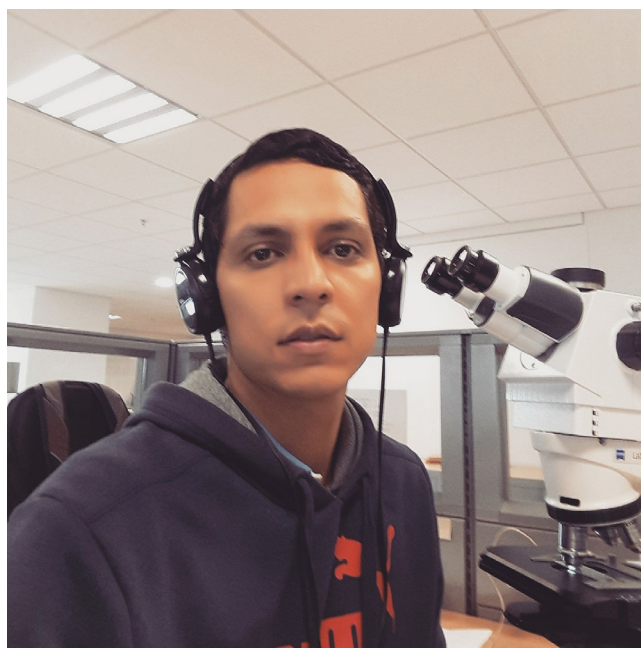
Celebrate the 50th anniversary of AASP – The Palynological Society with a beautiful, sterling silver palynomorph necklace. The Society board worked with jeweler and designer, 'Science-inspired jewelry', to create these one-of-a-kind, unique necklaces in honor of our silver anniversary. There are a limited number available of two designs, a dinoflagellate cyst of *Diphyes recurvatum* and a pollen grain of *Macrolobium multijugum*. They are sterling silver and each measure c.3/4" diameter.

Each necklace comes with a commemorative information card that includes a picture and description of the palynomorph. The society is selling them for \$150.00 (for members) and \$170.00 (for non-members). This is a wonderful way to support AASP and is a great conversation starter!

Payment can be made to the AASP Paypal account, [thomasdd98@yahoo.com](mailto:thomasdd98@yahoo.com) or check can be mailed to Treasurer, Rebecca Hackworth, 1030 East 14th Street, Houston, TX 77009. Necklaces can be mailed at your request.



# 2019 Student Research Grant Awardee



**Diego Alberto Pinzón Aceros**, PhD student  
IANIGLA, CCT CONICET – Mendoza, Argentina

## Biography:

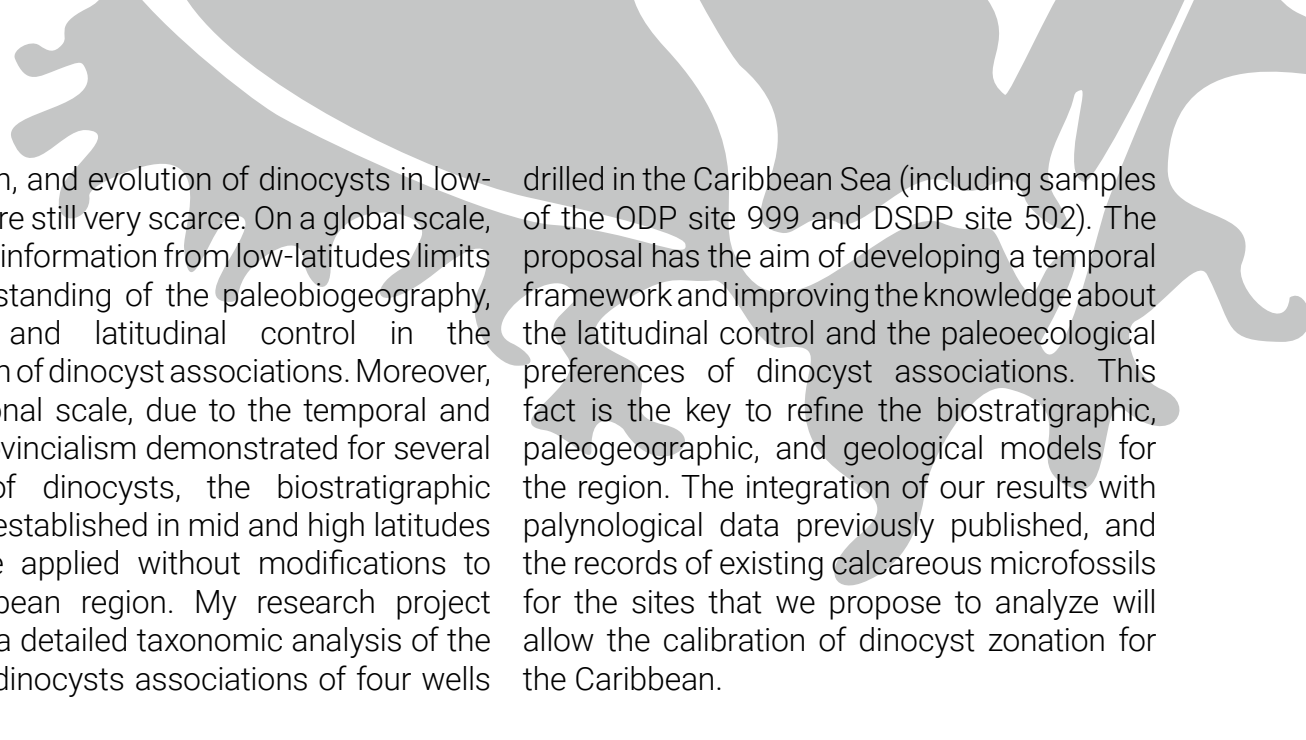
In 2009, I was a biologist student when I started to get motivated and interested in the palynology subject by the influence of my undergraduate friends working in this area. This motivation made me contact the biostratigraphy team from the Colombian Petroleum Institute (ICP). This was my first approach to this fascinating discipline which became an important subject in my life. During 2009 I was trained and learned about the morphology and taxonomy of pollen and spores from the Cenozoic of Colombia. From this experience, I projected my undergraduate thesis focused on the paleoecological and biostratigraphical implications of a *Pediastrum* acme just above the Cretaceous-Tertiary boundary in the North of South America, under the supervision of Dr. Felipe de la Parra. From 2011 to 2016, I was a member of the ICP team as a junior palynologist with

special interest on biostratigraphy. I acquired experience in the Cretaceous and Cenozoic palynology, performing paleoecological, paleogeographic, biostratigraphic and on-site palynological analysis. During 2015, as a consequence of the investments of the Company in exploring Cenozoic deposits of the Colombian Caribbean offshore, I turned my attention to marine palynology. After that, I started to work on dinocysts. I was very interested in this group of marine microfossils and I thought about the idea of contributing to understanding their distribution patterns and evolution process during the Neogene at low latitudes. In order to achieve my goal, I applied to the Ph.D. Program in Argentina in 2017. I am currently working under the supervision of Dr. Mercedes Prámparo and Dr. Raquel Guerstein. My project is actually supported by a CONICET - Argentine Latin American fellowship, at the Argentine Institute of Snow Research, Glaciology and Environmental Sciences (IANIGLA), a leading institution on geoscience researches in Western Argentina.

## Research:

***Marine palynomorphs of the Neogene in the Colombian Caribbean: Paleoecological and biostratigraphic implications.***

During the Neogene, dinocysts have proved to be a crucial tool for biostratigraphic studies and to understand palaeoceanographic dynamics in the Atlantic Ocean. The study of dinocysts has generated models that relate their distribution to the sea surface temperature, ocean circulation patterns, salinity, and nutrients availability. However, these models have been mainly produced for mid and high latitudes of this ocean, while the composition,



distribution, and evolution of dinocysts in low-latitudes are still very scarce. On a global scale, the lack of information from low-latitudes limits the understanding of the paleobiogeography, diversity, and latitudinal control in the distribution of dinocyst associations. Moreover, on a regional scale, due to the temporal and spatial provincialism demonstrated for several species of dinocysts, the biostratigraphic schemes established in mid and high latitudes cannot be applied without modifications to the Caribbean region. My research project proposes a detailed taxonomic analysis of the Neogene dinocysts associations of four wells

drilled in the Caribbean Sea (including samples of the ODP site 999 and DSDP site 502). The proposal has the aim of developing a temporal framework and improving the knowledge about the latitudinal control and the paleoecological preferences of dinocyst associations. This fact is the key to refine the biostratigraphic, paleogeographic, and geological models for the region. The integration of our results with palynological data previously published, and the records of existing calcareous microfossils for the sites that we propose to analyze will allow the calibration of dinocyst zonation for the Caribbean.

## Overview of AASP – TPS Awards Application Deadlines

### **Niall W. Paterson**

Awards Committee Chairman

AASP – The Palynological Society has a number of awards that recognize outstanding service, to the Society or to the science of palynology.

The basic nomination procedure is similar for most awards (main letter of nomination accompanied by letters of support, which include documentation of accomplishment). Details of the procedures for each award can be found at <https://palynology.org/award-procedures/>.

### **Undergraduate Student Awards**

In order to support the teaching of palynology at the undergraduate level, and to encourage and reward student achievement, AASP – The

Palynological Society offers the Undergraduate Student Award.

The awards are made annually to students nominated by faculty members teaching courses with significant palynological content. One student recipient, with meritorious achievement in some aspect of the course, can be nominated per year per institution.

The following institutions already have approved courses from which undergraduate students may be selected: University of Southampton, Louisiana State University, University of Tennessee-Knoxville, University of Portsmouth and Morehead State University.

A faculty member, who is a member in good standing of AASP – TPS, and who teaches an

appropriate course, may nominate the course using the Registration Format found in the right column. This should be cut-and-pasted into a word document and sent to the Awards Committee Chair at: [niall.paterson@uib.no](mailto:niall.paterson@uib.no).

Upon approval by the Awards Committee, members of faculty teaching approved courses may nominate a student to receive the award, at any time of the year, by sending the name, address, and email address of the recipient to the Awards Committee Chair and Secretary ([s.stukins@nhm.ac.uk](mailto:s.stukins@nhm.ac.uk)). Additionally, faculty must send the name of the winner, a paragraph about their achievements, and a photograph to the newsletter editor ([aaspnews@gmail.com](mailto:aaspnews@gmail.com)) for inclusion in the March newsletter (for awards made between July and December) or June newsletter (for awards made between January and June) each year.

Each award consists of one year's free membership to the Society, which includes digital issues of the Society's publications, the journal *Palynology* and the quarterly newsletter, discounted registration fees at Society meetings, and eligibility for Society awards.

---

## **AASP Undergraduate Student Award – Course Registration Form**

Nominating faculty member:

University/Higher Education Institution:

Course Name:

Course Description and level:

Average number of students registered in the course annually:

Number of hours of palynological instruction:

Criteria used to determine the winning student:

Date:

---

## **In Memoriam...**



Photo courtesy of Geoffrey Warrington and Carmen Heunisch.

### **Eberhard Schulz (1931-2017)**

By Julia Gravendyck

Dr. Eberhard Schulz, a pioneer in Mesozoic palynology, especially the Triassic and Jurassic of Eastern Germany, passed away on April 15th 2017, aged 85. Sadly, his death remained quite unnoticed until his scientific inheritance was rediscovered in 2018, when continuing the palynological path he had begun to tread. His inheritance revealed a life, that attests for times of change in post-war Germany and the later German Democratic Republic. This was the beginning of reconstructing the more recent past of a special scientist's life, whose death almost went unnoticed, until we discovered his date after a year of research.

An obituary is published in *Palynology*, to illustrate an important time in palynological advances, especially in the 1960s-1970s, and give insight into an important piece of (scientific) German history in order to not let his death go unnoticed.

## News from...

### India

By Nivedita Mehrotra

I, Nivedita Mehrotra, am presently working at the Birbal Sahni Institute of Palaeosciences Lucknow as a Woman Scientist, on Late Quaternary palynological studies in the Eastern Himalaya and northeastern India. Currently I am looking at palynomorphs from high altitude lake sediments in Eastern Himalaya and the Holocene sediments from tropical regions of Mizoram and Tripura states of northeastern India.

I completed my B.Sc. and M.Sc. in geology from the University of Calcutta in 2006, where I worked on Foraminifera from ONGC off shore well, WBOS1, West Bengal, Bay of Bengal. I got the opportunity of working at BSIP Lucknow as a Birbal Sahni Research Scholar in 2009 where I was first introduced to Quaternary palynology by Dr. Amalava Bhattacharyya. Then I pursued my M.S. degree at the Department of Geology, Kent State of University, Kent, Ohio, U.S.A. and was awarded a graduate teaching assistantship at the department. I worked under the supervision of Dr. Joseph D. Ortiz, for my M.S. thesis project entitled "Reconstruction of the Holocene paleoclimate of Soledad Basin, off Baja California based on benthic Foraminifera". To further pursue a Ph.D. degree I joined BSIP Lucknow in 2011 as a Junior Research Fellow under the mentorship



Dr. Nivedita Mehrotra, AASP – TPS newsletter correspondent.

of Dr. A. Bhattacharyya. I worked towards my Ph.D. dissertation entitled "Analysis of Quaternary climate-change in North-East India based on multi-proxy data". This dissertation which was based on palynological, mineral magnetism and carbon isotope analysis of Late Quaternary sediment from high altitude regions of Eastern Himalaya and subtropical and tropical regions of northeastern India. I was awarded a Ph.D. degree in Geology by the Department of Geology, University of Lucknow, Lucknow, India in 2018. I have followed my passion towards micropaleontological studies and palynology has always fascinated me. Linking my palynological records with other proxy data was the most intriguing part of my research experience. My fellow colleagues and senior scientists at BSIP Lucknow (approx~150) are working on palaeobotanical studies on Archean to recent sequences with an integrated and multidisciplinary approach towards Palaeosciences in the 21st century. To communicate the information about the latest findings by Indian palynologist and some exciting research work happening across India I am pleased to be a part of the AASP – TPS Newsletter team.

Dr. Nivedita Mehrotra  
Woman Scientist WOS-A (DST)  
Birbal Sahni Institute of Palaeosciences  
Lucknow, Uttar Pradesh, India



I would like to inform that BSIP shall be hosting two International Conferences this year:

- 12th International Symposium on Fossil Algae : September 16-24, 2019
- Asiandendro- 6th Asian Dendrochronology Conference: November 24-30, 2019

Below are the links:

<http://www.bsip.res.in/fossil%20algae.html>

<http://www.bsip.res.in/ada2019/asiandendro2019.html>

Also India, with the scientific support of Bangladesh, Nepal, Pakistan and Sri Lanka will be hosting the 36th International Geological Congress at New Delhi during 2-8 March 2020. The Early Registration and Abstract submission are now open.

Below is the link to the Meeting Webpage:

<https://www.36igc.org/home>

Regards,  
Dr. Nivedita Mehrotra

## GSA Liaison Report

By Francisca Oboh-Ikuenobe

GSA Associated Societies Meeting was held virtually on 4 April, 2019. The meeting was led by Donald J. Siegel, GSA's Incoming President, and assisted by Vicki McConnell (Executive Director) and Dominique Olivera (Governance and Awards Coordinator). Discussions centered around GSA's recent adoption of the events code of conduct, update on the decadal strategic planning, the 2019 annual meeting on 22-25 September in Phoenix, Arizona, and use of social media. GSA wanted to find out how many societies have formally adopted a code of ethics and strategic plans. The next meeting will be held during the annual meeting in Phoenix.



GSA Images adapted from: <https://community.geosociety.org/gsa2019/home>



# Call to Serve Newsletter open positions



Not sure that you want to run for office but want to help the society? Become a newsletter correspondent, either formally or informally! We welcome student and professional news, book reviews, reports on meetings, workshops, etc. Submissions are due on November 15, February 15, May 15, and August 15, annually.

Current vacancies include:

- BOOK REVIEW EDITOR
- ASIA CORRESPONDENT
- SOUTH AFRICA CORRESPONDENT

The AASP - The Palynological Society Newsletter is a publication with an ISSN number (ISSN 0732-6041), which **helps your CV!**

Our newsletter is only as good as the news we receive.  
Please stay in touch!

Gilda Lopes  
Newsletter Editor

# Consider Helping our Mission

## AASP FOUNDATION CENTURY CLUB



### What?

The Century Club of the American Association of Stratigraphic Palynologists Foundation is an organization founded by the Trustees of the Foundation in order to provide persons with the opportunity to support activities of the AASP Foundation.

### Why?

1. To develop an established level of giving that will continue to provide a solid financial base for the Foundation.
2. To provide unrestricted funds to support the various publishing activities of the Foundation.
3. To provide a meaningful organization and method of recognition of dedicated "friends" of the AASP Foundation.

### How?

Your tax-deductible contribution of \$100 or more to the AASP Foundation entitles you to belong to the Century Club. The 2016 "membership" drive is on now. Your contribution may be made by personal check or by a pledge which is **payable on or before December 31, 2018**.

### Join!

To join the Century Club, simply complete the attached Contribution/Pledge Form and mail to the address listed below.

The AASP Foundation is a 501 (c)(3) not-for-profit, public organization registered in the United States. This means that contributions to the AASP Foundation are fully deductible on your U.S. Federal Income Tax return. Also, many employers have a matching gift program whereby they match your personal gift to not-for-profit organizations. It is well worth the effort to explore this possibility concerning your gift to the AASP Foundation.

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## 2018 AASP Foundation Century Club Contribution Form

Mail to: Robert T. Clarke, Treas.  
AASP Foundation  
3011 Friendswood Dr.  
Arlington, TX 76013-2033

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contribution Enclosed: \$\_\_\_\_\_ I wish to pledge: \$\_\_\_\_\_

# Upcoming AASP – TPS Meetings



2019

## **52nd Annual Meeting of the AASP - The Palynological Society**

Ghent, Belgium

Organizers: Stephen Louwye & Thijs Vandenbroucke

2020

## **53rd Annual Meeting of the AASP - The Palynological Society**

Baton Rouge, Louisiana, USA

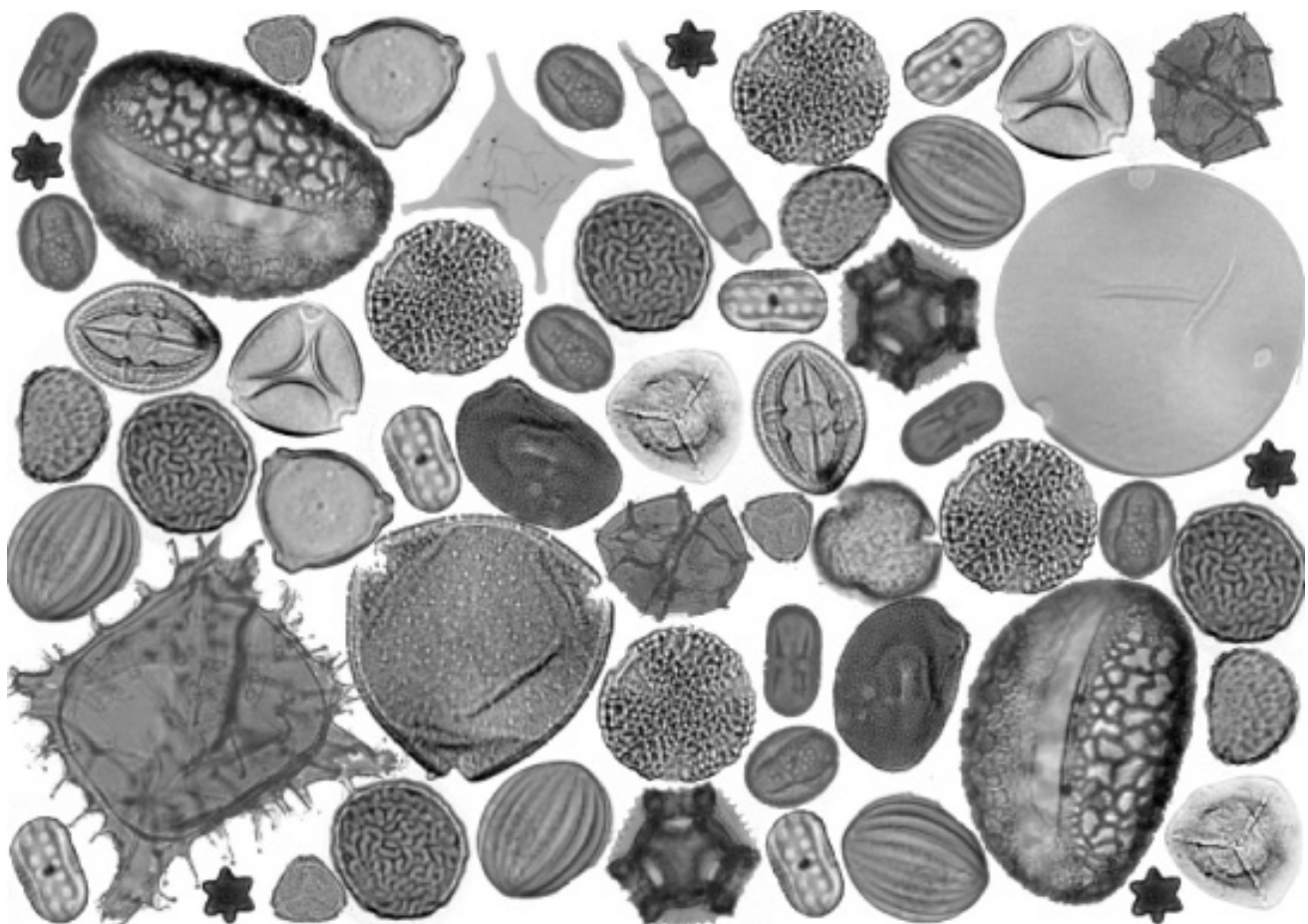
Organizer: Sophie Warny, Kam-Biu Liu & Sibel Bargu

2021

## **54th Annual Meeting of the AASP - The Palynological Society**

Manizales, Colombia

Organizers: Ingrid Romero, Angelo Plata & Andres Pardo



# 52<sup>ND</sup> ANNUAL MEETING OF THE AASP – THE PALYNOLOGICAL SOCIETY GHENT, BELGIUM



SUNDAY JUNE 30<sup>TH</sup> TO FRIDAY JULY 5<sup>TH</sup> 2019



## FOURTH CIRCULAR

The 52<sup>nd</sup> annual meeting of the AASP – The Palynological Society will be held at Ghent University in Belgium between June 30<sup>th</sup> to July 5<sup>th</sup>, 2019. The meeting will be convened by Stephen Louwye & Thijs Vandenbroucke of the Department of Geology of Ghent University. We are looking forward to welcoming you to 'Het Pand', the conference center of Ghent University.



Practical information regarding registration for the annual meeting, venue, travel, and accommodation is available on the website of the AASP - The Palynological Society. Check for updates and more details as they become available:

<https://palynology.org/aasp-2019-meeting/>

So far 81 delegates registered and we received 97 abstracts (74 oral presentations and 23 poster presentations). We managed to accommodate all oral presentations. It promises to be an engaging meeting!

The instructions as to how to prepare your presentations will be available on the website soon. We will also circulate this information to all presenters.

Abstracts will not be part of a formal publication but will be included in the conference program that will be distributed at the meeting and will be available online.

## Conference Schedule

### Saturday 29<sup>th</sup> June 2019:

Arrival in Ghent for pre-meeting field trip attendees

### Sunday 30<sup>th</sup> June 2019

Arrival in Ghent and registration

**Pre-meeting field trip** to the Paleozoic and Mesozoic of southern Belgium

**Outgoing Board of Directors meeting** at Het Pand

## Monday 1<sup>st</sup> July 2019

Morning - **General Palynology**.

Afternoon - **General Palynology. Teratology in palynology**: malformed or aberrant palynomorphs through geological time. Convenors: Thijs Vandenbroucke (Ghent University) and Sofie Lindström (GEUS).

Evening - **Icebreaker** at Het Pand, followed by the **Early Career Night**.

## Tuesday 2<sup>nd</sup> July 2019

Morning - **Integrative Cenozoic palynology**: enhancing insights in environmental change. Convenors: Karen Dybkjaer (GEUS) and Dirk Munsterman (TNO).

Afternoon - **Paleozoic palynology**: CIMP Special Session Honoring Jacques Verniers. Convenor: Reed Wicander.

Evening - **Conference dinner**.

## Wednesday 3<sup>rd</sup> July 2019:

Morning - **Analytical Palynology**: combining geochemical and/or morpho-molecular methods with palynology. Convenors: Kenneth Mertens (IFREMER) and Thijs Vandenbroucke (Ghent University).

Afternoon - **General Palynology, Best student oral and poster contributions, Closure of the meeting, Incoming Board of Directors meeting** at Het Pand.

## Thursday 4<sup>th</sup> July 2019:

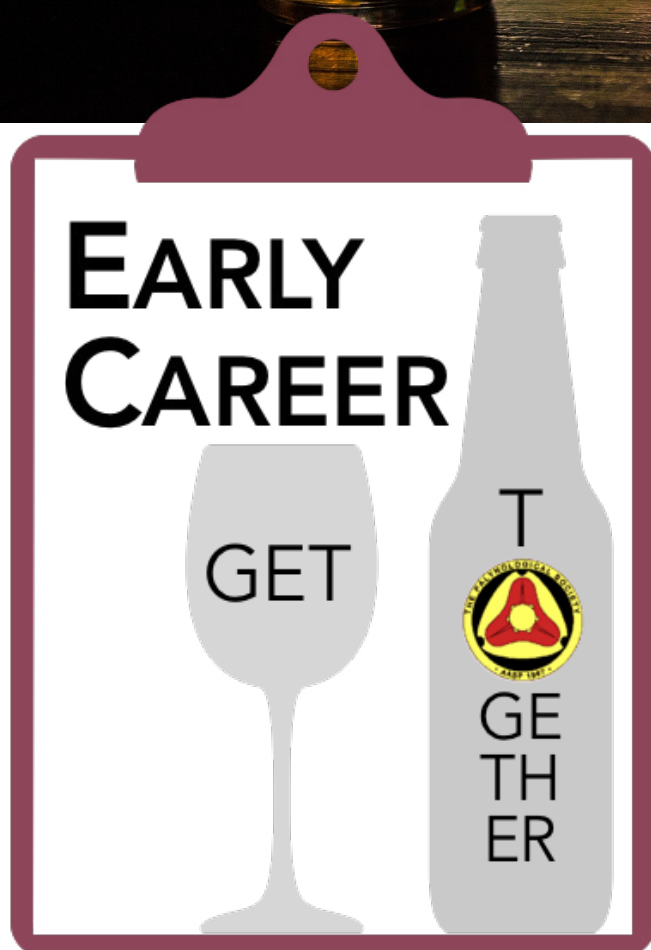
2-day **post-meeting field trip** to the Cretaceous and Jurassic of northern France.

Stephen Louwye – [stephen.louwye@ugent.be](mailto:stephen.louwye@ugent.be)

Thijs Vandenbroucke – [thijs.vandenbroucke@ugent.be](mailto:thijs.vandenbroucke@ugent.be)







You still wonder whether to attend the **Annual AASP Meeting in Ghent**? You don't know so many people yet? You are a BA, MA, or PhD-student or recently started your Post-Doc?

Then meet your fellows at the '**EARLY CAREER NIGHT**' of the Annual AASP meeting in Ghent. Make connections, meet new friends, or just catch up. The night is organized by the student representative; for questions email to [Julia.Gravendyck@zedat.fu-berlin.de](mailto:Julia.Gravendyck@zedat.fu-berlin.de) and is sponsored by Amphasys and the SEPM.

We meet on the first night (Monday, July 1<sup>st</sup>), after the ice-breaker, in one of Ghent's beautiful student bars. In a more informal setting you can meet your fellow 'early careers', exchange experiences and enjoy **free Belgian beer**.



## MARK YOUR AGENDA!

**The 53<sup>d</sup> AASP CONFERENCE WILL BE HELD MAY 26-30, 2020  
ON THE BEAUTIFUL LSU CAMPUS, IN BATON ROUGE, LOUISIANA**

The campus is located about one hour west of New Orleans.

The conference will be hosted by  
the Center for Excellence in Palynology (CENEX) and  
the Center for Energy and Environment at Louisiana State University

If you have any questions, contact:

Sophie Warny at [swarny@lsu.edu](mailto:swarny@lsu.edu)  
Sibel Bargu Ates at [sbargu@lsu.edu](mailto:sbargu@lsu.edu)  
Kam-Biu Liu at [kliu1@lsu.edu](mailto:kliu1@lsu.edu)



# LSU

**Louisiana State University**



## Other Meetings and Workshops of Interest





The **International Meeting on Paleoclimate: change and adaptation**, to be held in Coimbra, Portugal, from June 18 to 19, 2019, provides a forum for young and senior scientists to present their work and discuss their ideas with colleagues in all disciplines of the Earth, space, human and social sciences. Science-based knowledge is crucial to face current challenges, which are focus for research within the UNESCO chair on Geoparks and the UNESCO chair on Humanities and Cultural Integrated Landscape Management, both partners in this international meeting.

Our goal is to stimulate an observational attitude and to promote an open discussion on paleoclimatic signals in order to improve our look at the present and to ground future perspectives.

### Research topics

- T1 - Paleoclimates in the Solar System: external forcing and divergent evolutions
- T2 - Climate changes in geological time: lessons to learn
- T3 - Climate memory in the geological record
- T4 - Climate changes and human adaptations throughout the Quaternary
- T5 - Climatic events and human-environment interactions in the Holocene

### Abstracts

Researchers are invited to provide a short abstract at the e-mail [paleoclimate2019@gmail.com](mailto:paleoclimate2019@gmail.com) from now until **19 March, 2019** (follow the template available at the link below). Author(s) may also submit a larger manuscript, along with short abstract, using the link provided by the meeting (see "Call for Manuscript"). All accepted manuscripts will be published in a special volume before the meeting. Every abstract/manuscript should present unpublished work.

Abstracts accepted submissions will be announced until **19th April, 2019**.

### Registration

#### General information

- Registration for the *International meeting on PALEOCLIMATE: CHANGES AND ADAPTATION* is secured via payment of the appropriate registration fee.
- There is no waiving of registration fees.
- The registration must be done by completing the form accessible through the link below:

<https://paleoclimate2019.wixsite.com/paleoclimate2019/registration>

#### Registration fees

Early Bird Rates		Regular Rates	
Price before 30 <sup>th</sup> April			
Student	€ 30.00	Student	€ 50.00
Non-student	€ 150.00	Non-students	€ 200.00
Fieldtrip	€ 80.00	Fieldtrip	€ 80.00

Website: <https://paleoclimate2019.wixsite.com/paleoclimate2019>

E-mail: [paleoclimate2019@gmail.com](mailto:paleoclimate2019@gmail.com)

Phone: (+351) 239 860 511

# 11<sup>TH</sup> NORTH AMERICAN PALEONTOLOGICAL CONVENTION



JUNE 23 - 27, 2019 RIVERSIDE, CALIFORNIA

*Welcome to the 11th North American Paleontological Convention (NAPC),  
to be held at the University of California, Riverside, 23<sup>rd</sup>-27<sup>th</sup> June 2019.  
Celebrating 50 years of NAPC!*

## INFORMATION AND CALL FOR SYMPOSIUM PROPOSALS

NAPC is an international conference that brings together all branches of paleontology and fields related to the history of life: vertebrate, invertebrate, paleobotany, micropaleontology, paleo-related organic and inorganic geochemistry, paleoecology, paleoclimatology, and astrobiology.

Held every 4-5 years, the meeting attracts professional scientists, graduate and undergraduate students, amateur paleontologists, and interested members of the public. Its purpose is to exchange research findings, define future directions, and be a forum for extended and relaxed interactions between professionals and early career scientists, most particularly graduate and undergraduate students. NAPC meetings are generally less formal than annual association meetings and allow time for more extended and relaxed interactions.

**The meeting comprises participant-suggested symposia and topical sessions – please consider proposing a symposium for NAPC2019!** Submit your suggestion to the organizers by 30<sup>th</sup> September 2018: Symposium title, brief synopsis of symposium, names of organizers, full or half day, and any plans for invited speakers to [NAPC2019@ucr.edu](mailto:NAPC2019@ucr.edu).



**Dates:** Sunday 23<sup>rd</sup> to Thursday 27<sup>th</sup> June 2019, with symposia running the 23<sup>rd</sup> to the 24<sup>th</sup> and the 26<sup>th</sup> to the 27<sup>th</sup>. On Tuesday 25<sup>th</sup> there will be a mid-meeting break, with a variety of scheduled workshops and field trips. Other field trips will run both pre-and post-conference.

**Venue:** One of the ten UC campuses, UCR is home to nearly 25,000 students and has a long history of research strength in paleontology and allied fields. The meeting will take place in the new University Hub, which contains an array of meeting rooms and spaces of various sizes that are appropriate for virtually all activities planned, ranging from plenary sessions to smaller symposia and group meetings, to exhibits and posters. In addition, most participants will be housed in UCR's new Glenmor Residence Hall; dining and recreational facilities will also be available. Other accommodation options are available nearby off campus.

**Communications:** Updates on workshop, field trip, and symposia proposal information available on our website: [www.napc2019.ucr.edu](http://www.napc2019.ucr.edu)  
Email re: the meeting may be addressed to: [NAPC2019@ucr.edu](mailto:NAPC2019@ucr.edu)  
Follow us on Facebook (NAPC2019); Look for us on Instagram



**Field Trips:** A variety of field trips will be offered in association with the meeting, with several additional multi-day trips to be announced shortly:

- Extinction events and biodiversification in the Cambro-Ordovician of the eastern Basin and Range (3-5 days)
- Barstovian Biostratigraphy: Barstow and Cajon Valley (1 day)
- Stratigraphy and Paleontology of the Palos Verdes Peninsula (1 day - mid meeting)
- LeBrea Tar pits and the Alf Museum (1 day - mid meeting)
- Low tide visit to Crystal Cove State Park, Laguna Beach, and Newport Pleistocene terrace (1 day - mid meeting)
- Late Oligocene to Late Early Miocene Molluscan and Mammalian Biostratigraphy of Sespe, Vaqueros, and Lower Topanga Formations at Calabasas and Saddle Peaks, Santa Monica Mountains National Recreation Area, Los Angeles County, California (1 day)
- Ediacaran-Cambrian of California and Nevada



### Confirmed Mid-meeting Workshops:

- *Numerical Biochronology: Sequencing Large Numbers of Paleobiologic First- and Last- Appearance Events:* Prof. Peter Sadler, University of California Riverside.
- *Timetree methods for beginners:* Prof. Mark Springer, University of California Riverside
- *A hands-on introduction to the Paleobiology Database:* Matt Clapham, UC Santa Cruz
- *Talk to your elected officials! A workshop on communication and public policy for paleontologists:* Sandy Carlson, UC Davis

**Additional Programs:** There will be spouse, family, grad student, and post-doc specific activities.

**Local Museums:** Southern California is rich in museums with substantial research collections in paleontology. NAPC will offer various opportunities to visit these institutions. Those wishing to visit collections for research are encouraged to contact relevant staff, understanding that opportunities may be limited by demand.

**Current NAPC 2019 Sponsors:** The College of Natural and Agricultural Sciences; The EDGE Institute; The Center for Ideas and Society (UCR); The Natural History Museum, Los Angeles



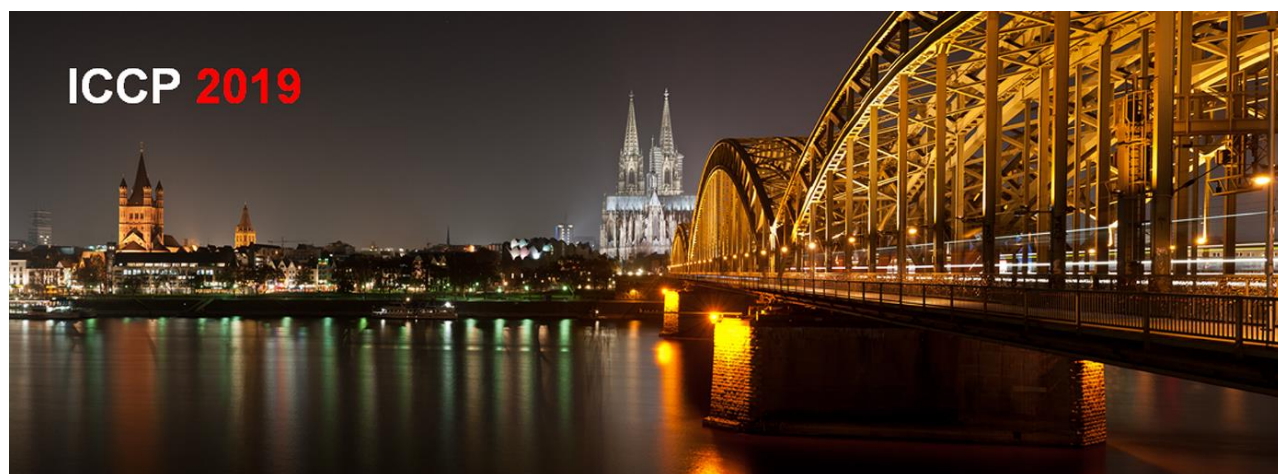
**NAPC 2019 Organizing Committee Members:** Nigel Hughes, Mary Droser, Nicole Bonuso, David Bottjer, Doug Eernise, Robert Gaines, Austin Hendy, David Jacobs, Jess Miller-Camp, Richard Norris, Kaustav Roy, Peter Sadler, Mark Springer, Xiaoming Wang, Michael Vendrasco



Ensure that you follow us on **Twitter** and **Facebook** to keep updated on the Congress.  
**We look forward to welcoming you to Dublin.**

20th INQUA Congress | 25 -31 July 2019 | Dublin, Ireland  
c/o Keynote PCO, Suite 26, **63 Carysfort Avenue, Blackrock, Co. Dublin, Ireland**  
Tel: + 353 1 400 3626 Email: [registration@inqua2019.org](mailto:registration@inqua2019.org)





# **19<sup>TH</sup> INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN (XIX ICCP 2019)**

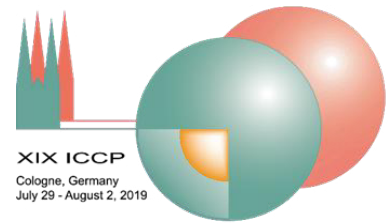
## **SECOND CIRCULAR**



**Adapted to this NL**  
For more information access the conference  
website



# 19<sup>TH</sup> INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN



## Venue



Cologne, the fourth biggest German city, is a vibrant metropolis with somewhat more than one million inhabitants in the western part of Germany. Based on an older local settlement, it was founded by the Romans and is thought to be the oldest city of Germany. During centuries people from many countries met in its open-minded atmosphere. Its flair is due to the unique location at River Rhine, the mixture of modern and historical buildings – the famous cathedral is included in the UNESCO world heritage



list, and the many students visiting several universities. The University of Cologne, which will host the 19<sup>th</sup> ICCP has almost 50,000 students in six faculties covering the complete spectrum of natural and cultural sciences.

Cologne is an ideal base to visit classical Carboniferous localities

in the near-by Belgian Ardennes, the German Rhenish Mountains and the Ruhr area. Permian outcrops are somewhat more distant, but easily reached via a dense net of highways. Do not forget additional touristic highlights, including four UNESCO world heritages: scenic “Upper Middle Rhine Valley”, “Germanic-Rhaetic Limes”, the originally 550 km long boundary fortification of the Romans, as well as the rococo castles “Augustusburg” and “Falkenlust”, both only some kilometres south of Cologne.

## **CANCELLATION AND REFUNDING**

Registration fees will not be refunded except if a notice of cancellation is received by the organization committee before 31.05.2019. Fees of 30 % are payable, if the cancellation notice is received between 01.06 and 30. 06 2019. Fees will increase to 60 %, if the cancellation notice is received between 01.07 and 14.07 2019. After 14.07.2019 no refund will be possible. Please note well that field trips will be not refunded due to our obligations with third parties.

## **IMPORTANT DATES**

<b>March, 30, 2019</b>	Deadline for application of travel grants to Ph.D. scientists (strongly preferred are young scientists from developing countries)
<b>April, 15, 2019</b>	Deadline for Early Bird payment of congress and field trip feesabstract submission;
<b>April, 30, 2019</b>	Deadline for abstract submission
<b>May, 31, 2019</b>	End of late registration interval; announcement of workshops Deadline for application of travel grants to students by IAS
<b>June, 15, 2019</b>	Third circular/programme

## **CONGRESS SCHEDULE**

<b>Pre-Congress field trips</b>	
<b>Sunday, July 28</b>	Return of pre-congress field trips/arrival in Cologne, Registration and welcome reception
<b>Monday, July 29</b>	Talks, poster-sessions, workshops
<b>Tuesday, July 30</b>	Talks, poster-sessions, workshops
<b>Wednesday, July 31</b>	Mid-Congress Field trip
<b>Thursday, August 1</b>	Talks, poster-sessions, workshops, Congress Dinner
<b>Friday, August 2</b>	Talks, poster-sessions, workshops
<b>Thursday, August 1</b>	Congress Dinner
<b>Saturday, August 3</b>	Departure/start of post-Congress field trip
<b>Post-congress field trips</b>	





**15th Brazilian Symposium on Paleobotany and Palynology  
September 4 to 7, 2019**

The Brazilian Botany Society (SBB), through its Nucleus of Specialists in Palinology (NEPAL), the Latin American Association of Paleobotany and Palynology (ALPP), the Brazilian Society of Paleontology (SBP) and the Federal University of Mato Grosso (UFMT) invite teachers, researchers and students to participate in the XV Brazilian Symposium on Paleobotany and Palynology, which will take place in the city of Cuiabá-MT between 04 and 07 September 2019.

For more information: <https://xvsbpp.wixsite.com/xvsbpp/inscricoes>





**UNIVERSITY OF  
PLYMOUTH**

School of Geography, Earth  
and Environmental Sciences

## **The Micropalaeontological Society**

# **6<sup>th</sup> Silicofossil and Palynology Meeting 2019 4<sup>th</sup> – 7<sup>th</sup> September**



The 6<sup>th</sup> Silicofossil and Palynology Meeting will be held at Plymouth University, with lectures and posters on the 4<sup>th</sup> – 6<sup>th</sup> September, and a field excursion on the 7<sup>th</sup> September. A call for contributions will be made early in 2019.

Local organisation will be provided by Prof. Malcolm Hart, Dr Meriel FitzPatrick and Dr Christopher Smart.

Information will be made available in February 2019, though comments, requests for information, etc. can be directed to [mhart@plymouth.ac.uk](mailto:mhart@plymouth.ac.uk) at any time.





CIMP sponsored

# International Course on Organofacies Analysis

## Sedimentary Organic Matter Principles & Applications

**September 30 - October 04, 2019**  
**University of Erlangen**

**5 days of lectures and practical microscope exercises.**

Participants can bring own slides to discuss at the last day

**Course language is English**

General principles of palynology in its widest sense and its applications in facies analysis, sequence stratigraphy and hydrocarbon generation. Basic knowledge in palaeontology, facies analysis or hydrocarbon systems is useful, but not mandatory.

### Course outline

- **Principles of sedimentary organic matter**  
*Production, distribution and preservation of sedimentary organic matter*
- **Groups of organic matter (Palynomorphs and more)**  
*Marine and terrestrial derived sedimentary organic matter*
- **Application for facies & sequence stratigraphical analysis**  
*General introduction to facies development and sequence stratigraphy*  
*Composition & preservation of sedimentary organic matter related to palaeo-environmental analysis (Palynofacies analysis)*  
*Palynofacies analysis applied to sequence stratigraphy*
- **Application for basin analysis & hydrocarbon generation**  
*Thermal alteration of sedimentary organic matter (maturation)*  
*Classification of organic matter in Hydrocarbon systems (kerogen types)*  
*Hydrocarbon potential based on optical kerogen analysis & organic maturation*

**For more information contact:**

**Dr. Hartmut Jäger** ([jaeger@georesources.de](mailto:jaeger@georesources.de))

GeoResources STC, Leimen, Germany

[www.georesources.de](http://www.georesources.de)



Biostratigraphy Seminar 2019

## Advances in Integrated Biostratigraphy

29<sup>th</sup> – 30<sup>th</sup> October 2019

Valhall auditorium, NPD Stavanger



Abstract deadline: 29<sup>th</sup> June



Prizes will be awarded for the best student presentations



Keynote speakers:

Professor Felix Gradstein, NHM Oslo  
Dr Robert Williams, NPD

*How to use integrated biostratigraphy to enhance exploration, production, and research activities on the Norwegian Continental Shelf*

[www.npd.no/force/events/](http://www.npd.no/force/events/)







Since 2009, the world community of palynologists and palaeobotanists has met every four years to discuss the latest research, and to exchange experiences. The 15<sup>th</sup> International Palynological Congress (IPC-XV 2020) and the 11<sup>th</sup> International Organisation of Palaeobotany Conference (IOPC-XI 2020) are coming soon. This joint congress will be held in Prague, from the 12<sup>th</sup> to the 19<sup>th</sup> of September 2020, hosted by Czech palynologists and palaeobotanists. In 1820, a binomial nomenclature for fossil plants was used for the first time by the “Father of Palaeobotany” Caspar Maria Sternberg, when publishing *Flora der Vorwelt*. We are delighted to dedicate this meeting in honour of 200 years of Palaeobotany.

It will be an excellent opportunity for the Czech Republic (a country rich in plant fossil finds, palynological sites, and palynological and palaeobotanical history) to host the leading experts in various disciplines, and to promote scientific innovations. Joint symposia are planned to foster interaction and integration between palynologists and palaeobotanists, as well as plenary sessions of general interest. The meeting is promoted by the collective efforts of the International Federation of Palynological Societies (IFPS) and the International Organisation of Palaeobotany (IOP).

Please complete the pre-registration form on our website:

<http://prague2020.cz/registration.php>



### Location

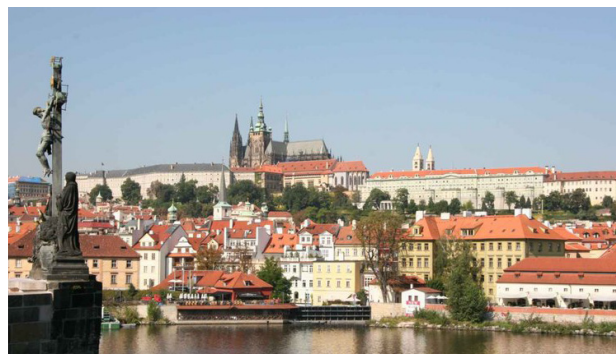
**Prague** is the largest city and the capital of the Czech Republic. Situated in the **heart of Europe**, it is one of the continent's most beautiful cities, and the primary Czech economic and cultural centre. It is famous for its historical monuments and sights, and has UNESCO World Heritage status. The Charles Bridge (Karlův most) across the Vltava River probably represents the city's most famous landmark. The winding course of the Vltava, with its succession of bridges and changing vistas, contrasts with the ever-present backdrop of the great castle of Hradčany (Prague Castle), which dominates the left-bank region of the city. Prague is famous for its cultural life. Wolfgang Amadeus Mozart lived here, and his Prague Symphony and Don Giovanni were first performed in Prague. In addition, the lyrical music of the great Czech composers Bedřich Smetana, Antonín Dvořák, and Leoš Janáček is commemorated each year in a music festival.

### Venue

The congress will be held in the **Clarion Congress Hotel Prague**, Freyova 33, Prague 9 (<https://www.clarioncongresshotelp Prague.com/en/>). This is an international four-star hotel and a state-of-the-art conference center, providing high-quality services. The hotel is 30 minutes by car from the International Václav Havel Airport and 10 minutes by metro from the historic city centre of Prague. The conference centre is directly on the metro B line, station “Vysočanská”.

### Facilities

The hotel offers accommodation in 559 rooms. All rooms and public areas are fully air-conditioned. Catering is provided in 3 hotel restaurants, which can seat 900 people. Conference facilities are divided into 23 halls and meeting rooms, comfortably seating up to 2500 participants. The facilities are equipped with state-of-the-art audio-visual technology.



### Call for Symposia

It is our pleasure to invite proposals for symposia for IPC XV/ IOPC XI 2020, the joint meeting of the 15<sup>th</sup> International Palynological Congress and 11<sup>th</sup> International Organization of Palaeobotany Conference, to be held September 12<sup>th</sup>–19<sup>th</sup> 2020, at the Clarion Conference Hotel, Prague, Czech Republic

The deadline for proposals is August 31<sup>st</sup>, 2019. Proposed symposia could cover various disciplines such as palynology, palaeobotany, palaeoecology, palaeoclimatology, biostratigraphy, plant taxonomy, plant morphology, cell biology, aerobiology, allergology, melissopalynology and forensic palynology. We also welcome proposals involving cutting-edge techniques.

To organize a symposium, please prepare a “**pre-proposal**” that briefly describes the symposium in English. This pre-proposal should include the following:

1. a descriptive title;
2. one or two paragraphs explaining the purpose of the symposium;
3. a list of any possible speakers, their institutions or affiliations, and preliminary presentation titles.

Please use the attached file to submit the pre-proposal. We will accept only one symposium proposal from each individual. The length of symposium talks is 15 minutes, plus 5 minutes for discussion. Organisers of symposia may propose one invited speaker with a 25-minute long talk, plus 5 minutes for discussion. Please send the pre-proposal to the program committee ([ipciopc2020@seznam.cz](mailto:ipciopc2020@seznam.cz)) and use the subject heading: IPC/IOPC 2020 Symposium proposal.

The program committee will review all proposals, and may make suggestions in view of the organization of the whole conference. For example, the committee may request merging of proposed symposia with similar topics. We also welcome workshop proposals.

More information about the IPC/IOPC 2020 is available at:

<http://prague2020.cz/introduction.php>

### Scientific programme

This will cover all aspects of palaeo- and actuopalynology and palaeobotany including:

*Taphonomy*  
*Airborne pollen*  
*Methods in palynology and palaeobotany*  
*Pollen/Spore morphology*  
*Pollination ecology*  
*Forensic palynology*  
*Melissopalynology*  
*Quaternary palynology and palaeobotany*  
*Cenozoic palynology and palaeobotany*  
*Mesozoic palynology and palaeobotany*  
*Palaeozoic palynology and palaeobotany*  
*Proterozoic Palynology*

XV International Palynological Congress  
 XI International Organization of Palaeobotany Conference

200 Years of Palaeobotany

12<sup>th</sup>–19<sup>th</sup> September, 2020, Prague, Czech Republic

<http://www.prague2020.cz/>

### Transport access

Transfers from the International Airport are available via the hotel's limousine service, by public transport as well as Airport Transport services. A station for the Metro B line is adjacent to the hotel. Trams and buses run outside, and a train terminal is three minutes walk away.

### Practical hints

#### Climate

September usually brings pleasant early autumnal weather with colder mornings and hot afternoons. Temperatures of around 15-18 °C can be expected.

#### Transportation

Arriving by plane - Václav Havel Airport is served by many international airlines. It is located 15 km from the city center and 18 km from the conference venue. Taxi from the airport to the venue is at present about



€35. A shuttle bus service operates as well. City bus No. 119 will take you from the airport to the Veleslavín metro terminal from where you can go by metro line A to Můstek, switch to line B and go to station Vysočanská.

#### Arriving by rail or car

Prague is easily reached by rail or car. If you arrive by train, you will find metro stations (line C) at the Central Railway Station and at the Holešovice Railway Station. From either you can go to Florenc station and switch to line B to go to Vysočanská station.

### City transportation

City Transportation Prague has a comprehensive network consisting of three metro lines, and trams and buses. Single tickets or travel passes can be purchased at most newspaper stands or from the coin machines at metro stations.

#### Car rental

Most of the major car rental companies (e.g. Avis, Sixt) have offices in Prague. Detailed information is available from the Symposium secretariat. We recommend making reservations in advance.

#### Parking

Clarion Congress Hotel has its own parking. Ask the guard at the entrance for the parking costs and the hotel parking area.

#### Currency

Official currency is the Czech Crown (Kč). The present exchange rate is 26 CZK for 1 Euro. Major credit cards are accepted in most shops, restaurants and hotels. You can buy Czech Crowns at banks and other authorized money exchange offices. ATMs accept most bank and credit cards. Travellers' cheques are only accepted by leading banks.

#### Visa Policy

Participants from most European countries and the USA can enter the Czech Republic without a visa. Other participants are advised to check requirements at their closest Czech Republic embassy or consulate, and make their own arrangements. Detail information can be found on [https://www.mzv.cz/jnp/en/information\\_for\\_alien/general\\_visa\\_information/index.html](https://www.mzv.cz/jnp/en/information_for_alien/general_visa_information/index.html). An official letter of invitation will be sent on request. Such a letter will not grant any financial support.

#### Insurance

The Organizing Committee does not accept any liability for personal injuries or loss or damage of property belonging to participants or accompanying persons. Kindly check your personal and travel insurance before you travel.

#### Electricity

Electricity supply is 220 V, 50 Hz.

### Tips for Prague visitors

**Honest Guide:** [https://www.youtube.com/playlist?list=PLM9\\_KZNJw8qEZd4MxOXfSvKszTJKLI\\_J2](https://www.youtube.com/playlist?list=PLM9_KZNJw8qEZd4MxOXfSvKszTJKLI_J2)

<https://www.youtube.com/channel/UCt7oj318jVQi7vRbc1bNjJA>

	10 <sup>th</sup> –12 <sup>th</sup>			13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>	17 <sup>th</sup>	18 <sup>th</sup>	19 <sup>th</sup> –20 <sup>th</sup>
8:30–10:30	Pre-Conference Field-Trip <i>(field trip will start in Dresden or Chemnitz)</i>			Oral Presentation	Oral Presentation	Mid-Conference Field-trips	Oral Presentation	Oral Presentation	Oral Presentation	Post-Conference Field-trips
10:30–11:00				Coffee break	Coffee break		Coffee break	Coffee break	Coffee break	
11:00–13:00	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	Oral Presentation	Oral Presentation		Oral Presentation	Oral Presentation	Oral Presentation	
13:00–14:30			Registration 11:00-18:00	Lunch	Lunch		Lunch	Lunch	Lunch	
14:30–16:30				Oral Presentation	Oral Presentation		Oral Presentation	Oral Presentation	Workshops	
16:30–17:00				Coffee break	Coffee break		Coffee break	Coffee break	Coffee break	
17:00–19:00			Ice breaker party from 18:00	Oral and poster Presentation	Oral and poster Presentation		Oral and poster Presentation	Oral and poster Presentation	Closing Ceremony	
20:00–24:00					Gala "Sternberg's" Dinner (optional)					



We look forward to receiving your submissions.

Best wishes

Organizing committee

IPC XV / IOPC XI 2020

12<sup>th</sup>-19<sup>th</sup> September 2020, Prague, Czech Republic





## First Circular / Fieldtrips

### Modern pollen deposition in relation to Holocene vegetation changes in the Krkonoše Mts.

This excursion will visit our highest mountain range in NE Bohemia. In this iconic landscape, covered in its highest part by azonal tundra accompanied by many peatbogs, a long-term pollen monitoring project has been under way since 1997. We will concentrate on pollen monitoring results in relation to Holocene development of mountain tundra and mountain forest. [H. Svitavská-Svobodová]

### Late Pleistocene and the Holocene of Bohemian Paradise

Barely hour and a half away from Prague, "rocky cities" built of Cretaceous sandstones offer an opportunity to enjoy picturesque, rarely seen landscapes and to visit some classical, as well as freshly investigated Late Pleistocene and Holocene sites. Emphasis will be given on stratified archaeological sites under rock shelters and adjacent wetlands which together provided a wealth of environmental proxies. [P. Pokorný]



### Pre-Conference Field Trip, 3 days:

#### Permian of Chemnitz

The field trip will present classical outcrops, ongoing excavations and leading exhibitions, which show fossil assemblages found in Permian terrestrial strata of SE Germany. Anatomically preserved plants, animals and their taphonomic pathways will be presented and discussed as modern methods of „fossil hunting“ and collecting. [R. Rössler]

### Mid-Conference Field Trips, 1 day:

#### Lower Palaeozoic of the Barrandian area

Field-trip to the Cambrian to Devonian sediments south west of Prague will give an opportunity to visit both new and classic outcrops, including the first internationally recognized GSSP of the Silurian-Devonian boundary. At all sites collection of fossils and sampling for microfossils will be possible. [O. Fatka, L. Vodička]

#### Late Cretaceous of the Bohemian Cretaceous Basin

A field trip to three localities: Horoušany, Vyšehořovice, Pecínov of the Czech fresh water Cenomanian will provide an overview of palaeobotany and sedimentology of the Bohemian Massif in mid-Cretaceous. At all outcrops, collecting of fossils and sampling for microfossils will be possible. [J. Kvaček]



### Post-Conference Field Trips, 2 days:

#### Permian of Bohemia

The Bohemian Paradise is situated about 100 km North-East from Prague. The Klenotnice Muzeum in Nová Paka with rich Permian fossil wood collection will be visited. A tour to the nearby Gothic „Pecka“ Castle is planned. „Pecka“ means stone (both geode and part of fruit). Fossil wood is visible in the castle courtyard. Actually, „Pecka“ Castle was built on rocks containing petrified wood in the 12<sup>th</sup> century.



Two localities with plant fossils of the Permian Rudník Horizons will be visited during the field trip, and there will be also a possibility to find some fragments of silicified woods in fields. [Z. Šimůnek, V. Mencl]

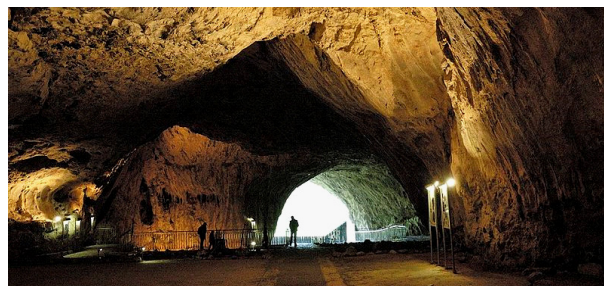
#### Paleogene and Neogene of North Bohemia



Eocene to Pliocene sediments are preserved in depressions and grabens along Krušné hory Mts. Besides freshwater coal-bearing deposits, products of volcanic activity occur in Western and Northern Bohemia, forming the eastern branch of the European Cenozoic Volcanic Alkaline Province. North Bohemian Most Basin will be visited with particular interest in loc. Roudníky (Eocene-Oligocene transition) and loc. Bílina (lower Miocene). [J. Sakala, V. Teodoridis]

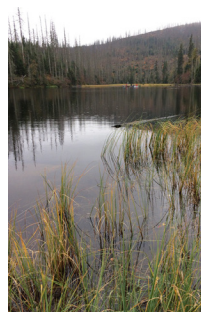
#### Miocene in the Carpathian Foredeep and Quarternary of Moravian Karst

The area of South Moravia known not only for Czech vineyards and wine cellars (Mikulov), but also for Miocene deposits of Carpathian Foredeep, several prehistorical localities (Pavlovské vrchy Hills, Pasohlávky settlement, Čejč Lake) and Moravian Karst with 15 palynologically evaluated caves (Kůlna Cave etc.) [N. Doláková, E. Břízová, M. Kováčová]



#### Postglacial of Šumava National Park

This excursion will cover late Quaternary vegetation changes with focus on long-term dynamics of natural mountain spruce forests and their disturbances. We will visit investigated lakes of glacial origin and peat bogs, where results from sedimentary archives will be presented. [P. Kuneš]



## FIELD TRIPS

<http://www.prague2020.cz/fieldtrips.php>