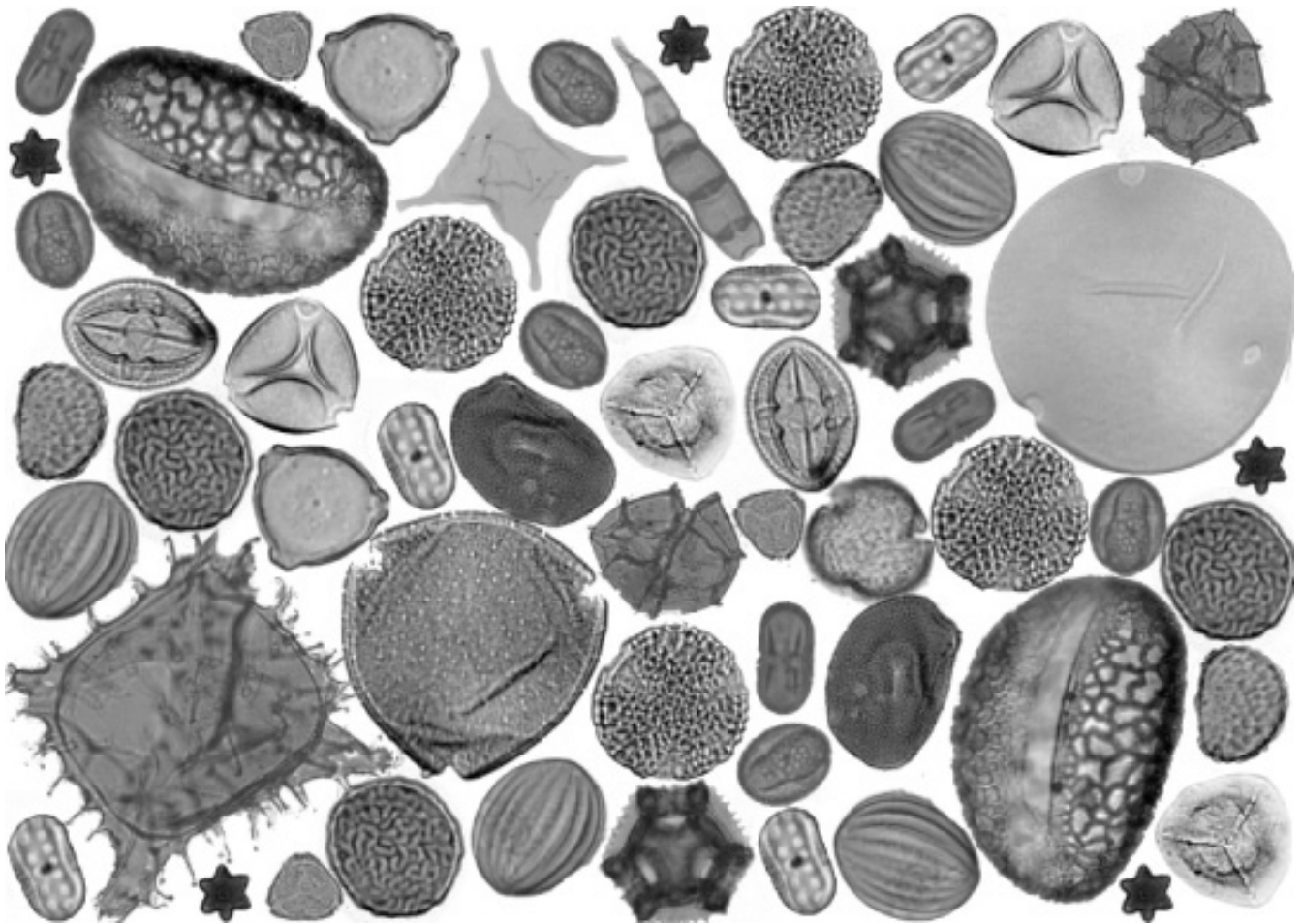




AASP – The Palynological Society

Promoting the Scientific Understanding of Palynology since 1967



NEWSLETTER

March 2019
Volume 52, Number 1

Published Quarterly



AASP – TPS NEWSLETTER

Published Quarterly by AASP–The Palynological Society

March 2019, Volume 52, Number 1

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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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India
Black Sea region
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Flemish-speaking Belgium
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Asia
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– *Currently Vacant* –

To express interest in open correspondent positions, please send an email to:
aaspnews@gmail.com

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AASP NEWSLETTER GRAPHIC DESIGN (March 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 MAY 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,

Winter is here, at least in my part of the world. Seasonal changes are most welcome for someone like me who enjoy the outdoors at all times!

As you are reading this, I also hope you are enjoying the new Newsletter layout! Thanks to our new newsletter editor Gilda Lopes, who with help from a good friend has upgraded the graphic design. Extended thanks to Gilda and to her friend for this help! Also BIG thanks to Jen O’Keefe for all her efforts in being the Newsletter Editor for many years, finalized by helping Gilda as an Assistant Editor in the September issue. AASP is very grateful for Jen’s extensive work in getting the newsletter out during all the years she served. The newsletter is certainly a bridging between all the members to inform us on a variety of issues, meetings etc. However, the Newsletter is dependent on YOU! Please consider to

provide information on any topic regarding Palynology.

Talking about the Newsletter, a small reminder at the end:

- We are still seeking new correspondents from 1) South Africa, 2) India, and 3) Asia. PLEASE help us find someone!

Lastly:

- It is soon time to vote for new members, so do not forget to vote! The Board is essential in running AASP and as in all elections, your vote counts!

I wish you all a nice semester and hope to see you in Ghent!

Gunn



Photo credit: Melanie Burford

Managing Editor's Report

The first part of Volume 43 of *Palynology* was published online a few weeks ago. This issue is Part 1, and it comprises nine research papers plus a short, (hopefully) topical editorial. All these items were already available on the website, and the contents of this issue are reproduced below. It will also of course be printed and paper copies distributed, together with Part 2, in early May. We have plenty of papers ready to be printed during 2019.

The Supplement to Volume 42 on the dinoflagellate genus *Spiniferites*, which was guest-edited by Kenneth Mertens, was published in late 2018. This Supplement comprises 12 articles on this extremely important dinoflagellate genus; the cumulative page count is 235. Note that it is entirely open access and will not be paper-printed.

Niall Paterson recently stepped down as Assistant Editor and we thank him for his fantastic help over several years. If anyone is interested in becoming an Assistant Editor please contact me.

James B. Riding

Managing Editor, AASP–The Palynological Society

British Geological Survey

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Nottingham NG12 5GG

United Kingdom

Tel: +44 (0)115 9363447

E-mail: jbri@bgs.ac.uk

11th February 2019



The contents of *Palynology* Volume 43, Part 1

(February 2019)

1. Riding, J.B., Fensome, R.A. and Head, M.J. Editorial. Citing the taxonomic literature: what a difference a year makes. 1–3.
2. Warny, S., Kymes, C.M., Askin, R., Krajewski, K.P. and Tatur, A. Terrestrial and marine floral response to latest Eocene and Oligocene events in the Antarctic Peninsula. 4–21.
3. Florenzano, A., Mercuri, A.M., Fornaciari, R. and Garcea, E.A.A. Plants, water and humans: pollen analysis from Holocene archaeological sites on Sai Island, northern Sudan. 22–33.
4. Quamar, M.F. and Bera, S.K. Aerobiological implications of the extracted palynomorphs from the modern tree barks of the Korba District, Chhattisgarh, central India. 34–42.
5. dos Santos Almeida, G., Mezzonato-Pires, A.C., Mendonça, C.B.F. and Gonçalves-Esteves, V. Pollen morphology of selected species of *Piriqueta* Aubl. (Passifloraceae *sensu lato*). 43–52.

6. Paterson, N.W., Mangerud, G., Holen, L.H., Landa, J., Lundschieen, B.A. and Eide, F. Late Triassic (early Carnian–Norian) palynology of the Sentralbanken High, Norwegian Barents Sea. 53–75.
7. Kar, R. and Quamar, M.F. Pollen-based Quaternary palaeoclimatic studies in India: an overview of recent advances. 76–93.
8. Hartman, J.D., Sangiorgi, F., Bijl, P.K. and Versteegh, G.J.M. *Nucicla umbiliphora* gen. et sp. nov.: a Quaternary peridinioid dinoflagellate cyst from the Antarctic margin. 94–103.
9. Riding, J.B. The literature on Triassic, Jurassic and earliest Cretaceous dinoflagellate cysts: supplement 3. 104–150.
10. Santos, A., Helenes, J. and Carvalho, M.A. Late Cretaceous (early Turonian) dinoflagellate cysts from the Sergipe Basin, northeastern Brazil. 151–173.

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



Reminder, Membership Fees

Membership of AASP runs from 1st January to 31st December each year. A full years membership fee is due if you join at any time in the year as you will receive all the benefits for that year.

If you encounter any issue in registering, renewing or paying with credit card or paypal, please do contact immediately the aaspwebmaster: aaspwebmaster@gmail.com

RENEW your membership!

Retired - No access to Palynology

Paid for the current year, receive the quarterly newsletter, a biannual membership directory (published electronically), no access to our journal Palynology. Use the menu to pay for up to three years membership.

1 Year: \$15.00 (2019)

2 Years: \$30.00 (2019 and 2020)

3 Years: \$45.00 (2020 and 2021 and 2022)

Student - On-line only access to Palynology

Receive full benefits (except the print access to Palynology), must provide annual documentation of enrollment. Use the menu to pay for up to three years membership.

1 Year: \$30.00 (2019)

2 Years: \$60.00 (2019 and 2020)

3 Years: \$90.00 (2019 and 2020 and 2021)

Student - On-line and print access to

Palynology

Receive full benefits (including the print access to Palynology), must provide annual documentation of enrollment. Use the menu to pay for up to three years membership.

1 Year: \$35.00 (2019)

2 Years: \$70.00 (2019 and 2020)

3 Years: \$105.00 (2019 and 2020 and 2021)

Member – Only on-line access to Palynology

Receive full benefits (except the print access to Palynology). Use the menu to pay for up to three years membership.

1 Year: \$50.00 (2019)

2 Years: \$100.00 (2019 and 2020)

3 Years: \$150.00 (2019 and 2020 and 2021)

Member – On-line and print access to Palynology

Receive full benefits (including the print access to Palynology). Use the menu to pay for up to three years membership.

1 Year: \$70.00 (2019)

2 Years: \$140.00 (2019 and 2020)

3 Years: \$210.00 (2019 and 2020 and 2021)

New members working in low, lower-middle, upper-middle Economies

The AASP Board have unanimously decided

to offer membership at a reduced rate for members working in low, lower-middle, upper-middle Economies.

Professional Members from these countries will pay a reduced membership fee per year, which only includes digital access to Palynology. Members from these countries

who are able to pay the full membership fee should do so.

Only online access to Palynology 1 year:

\$20 (2019)

Candidates to the Board of Directors 2019

Introducing the 2019 candidates for the board of directors in the following positions: Secretary, Treasurer, Managing Editor, and Director-at-Large.

The candidates biographies are available in the December 2018 AASP-TPS Newsletter:

https://palynology.org/wp-content/uploads/2018/12/NL_51_4.pdf

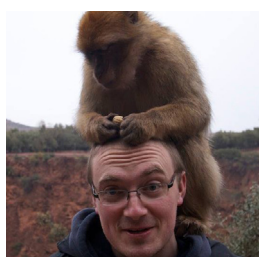
The 2019 AASP-TPS Elections will be held between March 25th and April 21st.

Treasurer



Rebecca Hackworth

Secretary



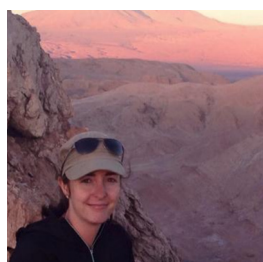
Stephen Stukins

Managing Editor



James Riding

Director-at-Large



Kimberley Bell



Kenneth Neil Mertens

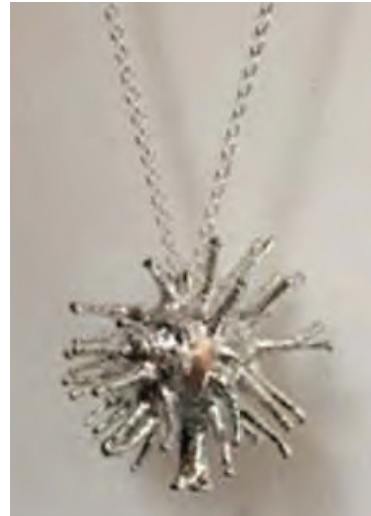


Michael S. Zavada

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 or check can be mailed to Treasurer, Rebecca Hackworth, 1030 East 14th Street, Houston, TX 77009. Necklaces can be mailed at your request.

Overview of AASP–TPS Awards and Research Grants

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.

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). Additionally, faculty must send the name of the winner, a paragraph about their achievements, and a photograph to the newsletter editor (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:

2019 AASP Student Research Grants

The Society will entertain applications for Student Research Grants with a deadline of **March 31, 2019**.

This year the Society is offering two Student Research grants of up to US\$3000 each to be awarded to successful applicants.

These Student Research Grants support research in any area of palynology. Ordinarily, the grants will be offered to 'beginning' graduate students, but advanced undergraduates may also apply. Student Research Grants are to be used for costs directly connected to carrying out research, such as fieldwork and laboratory expenses. The qualification of the student, the originality and imagination evident in the proposed project, and the likelihood of significant contribution to the science of palynology are factors that will be weighed in the selection of award winners.

Previous winners of this award are eligible only if they are pursuing a different degree than the one they were pursuing when they received the previous award. Additionally, applicants **MUST** be members of the Society <https://palynology.org/membership-options-page/>.

Application forms can be downloaded from our website at <http://www.palynology.org/student-support>.

Inquiries and completed application materials should be sent electronically to the Chair of the AASP Awards Committee:

Niall W. Paterson
Dept. of Earth Science, University of Bergen
niall.paterson@uib.no

Advice on preparing an effective application for an AASP Student Research Grant

The single most valuable piece of advice is "know and write to your audience."

You have only a very limited space to describe your project, so use the words wisely. Writing briefly is more difficult than writing at length, but is worth the effort. Literature review should be at a minimum, and the problem you aim to solve through your study should be emphasized. Keep in mind that the Awards Committee does not know context for your project, and may not even have a closely related specialty in palynology. Thus, it is important to write for this broader audience.

It can be a good idea to show your text to someone who is not a palynologist or involved in the project to see if they understand your description well. The committee encourages projects that integrate palynology with other data; however, it should be clear what palynological work you will be performing. If there is prior palynological work, please explain how your approach is new or different.



Palynomorphs going famous!

Distinguish Lecture Program: Sophie Warny's interview on palynology

(Taken from: AAPG website)

"The American Association of Petroleum Geologists Distinguished Lecture (DL) Program is a joint program between AAPG and the AAPG Foundation and was developed to offer outstanding speakers on current research and applicable geology.

In the past, lectures were hosted by AAPG affiliated geological societies or university departments. This year, for the first time, videos and complementary podcasts of the lectures are available for audio and visual streaming or downloads.

Six speakers were nominated to launch the new DL program, they address various geological



Sophie Warny, LSU

topics. **Dr. Sophie Warny**, the AASP Chair in Palynology at LSU and a curator at the LSU Museum of Natural Science is one of the speakers selected. She talks about how she became a palynologist, and

about the various applications of the field, from biostratigraphy, to climate change studies and even forensic.

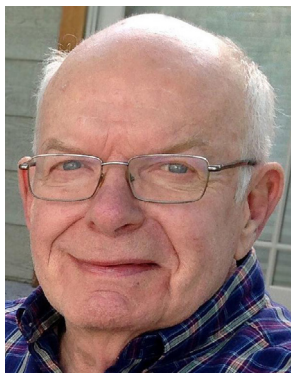
To listen to her interview on palynology, log in at:

<https://www.aapg.org/videos/interview/Articleid/50444/digging-deeper-with-sophie-warny>

In Memoriam...

Lou Maher (1933–2018)

Taken from: https://www.google.com/amp/s/madison.com/news/local/obituaries/maher-louis-j-jr/article_683b9e0b-5031-5d61-8588-c6d-9f24188de.amp.html



"Louis James Maher Jr., 84, Emeritus Professor of Geology and Geophysics at UW-Madison, died peacefully at home on Wednesday, Aug. 22, 2018, after a long illness. He was born on Dec. 18, 1933, in Iowa City, Iowa, to Louis James and Edith Hamm Maher. He attended rural school and University elementary and high schools in Iowa City, participating in band and debate, making lifelong friends and graduating in 1952. He began to fulfill a lifetime goal by taking flying lessons from a World War II veteran in a Piper Cub on a grass strip near his home.

Lou attended the University of Iowa, Iowa City, where he majored in Geology and participated in the marching band. He enjoyed field camp, living in a tent near Deadwood, S.D., and learning geological mapping. He claimed he was the only one who didn't find a dinosaur fossil! He graduated from Iowa in 1956 with Highest Honors and Phi Beta Kappa. He was awarded a Danforth Foundation Graduate Fellowship, greatly benefiting his further studies.

Lou married Elizabeth Jane Crawford, his high school sweetheart, at Trinity Episcopal Church in Iowa City on June 7, 1956. Theirs was a typical geologist's honeymoon where Lou went out every day to map the mountains near Buffalo, Wyo. for his master's thesis.

A request for permission from the local Draft Board to leave the country for an oil company summer undergraduate internship in Venezuela in 1955 had proven a pitfall, as Lou was drafted after completing the course work for his M.S. degree. He trained as a clerk in the Counter Intelligence Corps at Fort Holabird, Md., and Jane joined him in an apartment in Dundalk. He became an expert typist and learned about erasing errors all the way through a sheaf of copies. Expecting to be sent to Germany, Lou was instead stationed in historic La Rochelle, France, where, despite an uncertain political climate, he and Jane profited from extensive travel and life in a flat in a charming old country house. Lou took hundreds of slide photos which he used later in his classes.

After the Army, Lou and Jane moved to the University of Minnesota for Lou's Ph.D. studies in Palynology, which involved retrieval and analysis of pollen grains preserved for thousands of years in sediments and yielding clues to climate change. The couple spent a summer in Durango, Colo. while Lou finished the sampling for his dissertation. Their first son was born in Minneapolis in 1960, and Lou was awarded the PhD in 1961. Lou and Jane enjoyed a NATO post-doc in Cambridge,

England, where a second son was ushered into their home by a midwife in 1962. They made lifelong friends in the supportive neighborhood.

Lou and Jane came to Wisconsin in 1962 in the midst of massive hiring at the University of Wisconsin. The Geology Department was welcoming, and he began his long career of Introductory Geology lectures in Science Hall to large classes of undergraduates from many fields. Young men and women from farms and small cities found out they had always been interested in geology. Science Hall proved to be in the path of many Vietnam War protests of the 1960s. Lou's windows were boarded up as a precaution, and classes were often disrupted by tear gas. On one occasion, a protester barged into Lou's class and demanded to be allowed to make an impromptu speech. Lou offered his class a chance to vote on whether to continue a review for a quiz or hear the speech. In 1966, Lou and Jane welcomed their daughter to the family.

Each semester, Lou took his students on a day-long bus and hiking tour to Devil's Lake State Park and many other interesting geological features near Madison. On the fall trip, the bus made a stop for bushels of apples. Lou led a cross-country summer field trip for undergraduates. Various students drove their own cars from one field site to the next, and students worked on their maps on drawing boards in their tents by lantern light.

Tent life was not his favorite, but he was dragged into it on numerous occasions throughout his life. He also facilitated post-summer-session family camping or cabin living over many years, once the children were in school. Among the highlights were a trip with the two boys in early spring snow to sample Molas Lake near Durango and visit the Grand Canyon, and incident-filled family camping trips to Jasper Park, Glacier, and Yellowstone and to the Canadian Maritimes.

Lou earned his flying license at Morey Field,

Middleton, in a University-owned Cessna 170. When he was asked to prepare a semester of experimental classes on video, he took off with a graduate student to acquire a treasure trove of air photos of the West, which enriched his classes and other presentations throughout his career. They are available at geoscience.wisc.edu/~maher/air.html. He wrote of the trip in the AOPA magazine in 1968. He was a member of the EAA.

Lou was known as somewhat of a character, riding his small Honda motorcycle to the campus in all weather, and later driving a vintage red MG sports car surprisingly acquired from his brother-in-law. Son Jim looked in on his dad's class while a student and was amazed at his showmanship. Lou developed a Pollen course for students from several disciplines and published numerous articles on the topic, besides editing an online journal and developing a subspecialty in Remote Sensing. After the first phase of the department's new building, Weeks Hall, was built, Lou acted as building manager and fussy mom, guarding the new furnishings and making sure the fountain in the courtyard was kept functioning. He was Department Chair for several years and particularly fought for fair treatment for the increasing number of women faculty. He served on University and Departmental committees and chaired the Building Committee for the second phase of Weeks Hall. He retired in 2003.

Lou's professional travels included Canada, the British Isles, Western Europe, Australia, New Zealand, and India. He loved raft trips on the Yampa and San Juan Rivers, and visited many national parks. During the empty nest years, Jane and Lou rekindled their love affair with France, spent weeks in cottages, experienced new adventures, and treasured their favorite spots, such as La Rochelle, Cahors and the Massif Central.

Lou was a loner more than a joiner, although

he held memberships in numerous academic and scientific societies. He was a Fellow of the AAAS and the GSA, and loved field meetings with the Friends of the Pleistocene. He and Jane were supporters of their church, St. Dunstan's, American Players Theatre, the History of Cartography Project, Operation Migration, Friends of Pheasant Branch Creek, Friends of the Arboretum, and many other civic and environmental organizations. Lou loved going out on geology expeditions with his special friends, Dave Mickelson and the late Bob Dott and Jim Knox. Dave asked Lou to co-author his prize-winning 2011 book, "Geology of the Ice Age National Scenic Trail."

He is survived by his wife of 62 years, Jane; their children, Louis James Maher III (Laura) of Rochester, Minn., Robert Crawford Maher (Lynn Peterson) of Bozeman, Mont., and Barbara Ruth Maher-Flatt (Roger) of Fond du Lac; grandchildren, Elizabeth Lillian Maher, Maxwell Lloyd Maher, Andrew Michael Flatt-Kuntze (Justin), Henry Peterson Maher, Christina Aileen Murray (John) and Katherine Marie Flatt; loving sister-in-law, Rachel Crawford Mills (Vincent) of Cedar Rapids, Iowa; and many family members and friends. And Lou always wanted to remind us that he liked his cat, Oberon, very much, even when he could no longer remember Obie's name. Lou was preceded in death by his sister, Geneva Ann Maher; and his parents."

Alan Hibbert

By John Marshall

Sadly, we have to report the death of Alan Hibbert at the age of 81. Alan did a PhD thesis (Bangor University) on Early Carboniferous spores from North Wales and published his early papers in the journal *Palaeontology* including naming the important genus *Umbonatisporites*. Alan

also published some of the earliest (1967) SEM images of Carboniferous spores. For his subsequent research career he largely worked the Quaternary and archaeopalynology and was lost to us in the Palaeozoic. Alan also rose rapidly with posts at Liverpool and Portsmouth (Head of Biology) before becoming a full time administrator of academic standards with CNAA and then a Pro Vice-chancellor with Southampton Solent University. He was also President of the Institute of Biology and awarded an OBE for services to Biology.

David J. Batten (1943–2019)

By Martin J. Head
Brock University

Professor David J. Batten passed away on February 14, 2019 after battling with cancer.



He had for the past four years been living in a small village surrounded by the beautiful Herefordshire countryside, and the last weeks of his life were spent at St Michael's Hospice in Bartestree, Herefordshire, England. David was born in 1943 in Watford, England and was brought up in Croydon, South London within easy reach of the local countryside. After his 'O' levels David moved with his family and attended boarding school in Canada. He later graduated from Queen's University, Canada with a BA in Liberal Arts in 1964 and a BSc in Geology with a minor in Biology the following year. He was awarded an MSc in Micropalaeontology from University College London in 1966, and a PhD from the University of Cambridge in 1969 for research on British Wealden (Lower Cretaceous) palynomorphs and their facies distribution, under the supervision of Norman

Hughes. David remained at Cambridge for two years before taking up employment in industry (Robertson Research and BP). He moved to the University of Aberdeen as a Lecturer in 1976, relocating to the University of Wales, Aberystwyth, in 1990 where he was promoted to a personal chair in 1992. With the closure of the Geology Subdepartment there in 2002, he became affiliated with the University of Manchester. David is survived by his daughter Sarah and his son Alexander and one grandchild, Adelina who live in Canada and the USA respectively.

David is best known for his contributions to Mesozoic terrestrial palynology and palynofacies analysis, his research covering a wide range of palynological and paleobotanical topics including the Normapolles pollen group and phytogeographic provinces in the Mesozoic and Cenozoic, and Mesozoic and Tertiary megaspores. David's many publications on palynofacies, from the early 1970s onwards, were to shape the way palynologists have approached this important subject. Wealden palynology remained David's abiding passion, and his research incorporated pollen, microspores, megaspores, chlorococcalean algae, freshwater dinoflagellates, macropaleontology, and palynofacies analysis, setting new standards for rigorous documentation and thoughtful interpretation. The 780-page *English Wealden Fossils* published by the Palaeontological Association, London in 2011 and edited by David, with five of its 35 chapters authored or co-authored by him, has resulted in a masterly and beautifully illustrated synthesis of the Wealden biota. Its sobriquet 'the Wealden Bible' is richly deserved.

David served as Editor-in-Chief of *Cretaceous Research* (1988–2007, 2011–2012) and Editor-in-Chief of the Palaeontological Association which included editing its flagship publication *Palaeontology* (1999–2008), responsibilities he took very seriously and which benefitted

enormously from his editorial vision and meticulous attention to detail. In spite of the premature curtailment of David's university career in 2002, he supervised or co-supervised eight MSc students and 14 PhD students. His publishing output included 193 refereed papers and chapters in books, very many as first or sole author, along with 12 edited books, special issues, and field guides. David collaborated with colleagues around the world, and is particularly fondly remembered by many friends and colleagues in China, having been appointed to a Distinguished Visiting Professorship for Senior International Scientists by the Chinese Academy of Sciences in Nanjing in 2011–2012.

Those who knew David will remember a kind, rather reserved, deeply reflective and unassuming individual who held himself always to the highest standards. As a supervisor he led by example. In recognition of an outstanding career, David was awarded the T.M. Harris Medal of the Birbal Sahni Institute of Palaeobotany, India in 1998, the Jongmans Medal of the Royal Geological and Mining Society of the Netherlands in 2006, and an honorary life membership of The Palaeontological Association, London in 2011. He was awarded the prestigious Medal for Scientific Excellence of AASP–The Palynological Society in 2018. A broader account of David's life and career appears in the citation for this medal (by M.J. Head) followed by David's own detailed response, both appearing in the journal *Palynology* to be published later this year. A list of David's postdocs/research fellows, research students, and publications is given as a supplement to this NL at the AASP–The Palynological Society website.



AASP Foundation 2018 ANNUAL Financial Summary

BALANCE: as of January 1, 2018

\$ 28,829.81

INCOME

Sale of publications	\$ 2,71.856
Contributions	<u>\$ 750.00</u>
TOTAL INCOME	\$ 3,468.56

EXPENSES

Costs associated with AASP publications housed at a storage facility in College Station Texas where Vaughn Bryant, in addition to his teaching duties at Texas A&M, packages and ships the printed publications ordered through the AASP website. During 2018 Carol and I have driven to College Station (200 miles one-way), a number of times to pick up copies of print orders from the storage building and ship them from our home in Arlington, TX when Vaughn was away from home at various times during 2018. Vaughn and I also realized we could move to a 10x5' building from our 10x10' unit. That was accomplished one weekend, dismantling the shelves, re-building all but one of them in the smaller unit, bolting the shelves into the smaller unit's walls in place for safety, then moving the publications to their "new home". Cost savings: old unit \$100/month, new unit is \$55. I only recoup expenses for these trips. Other expenses not associated with the storage, shipping, and "Care & Feeding" of publications include:

- 1) Fourth printing of Kapp book, 200 copies (\$ 780.82 remained from 2017 down payment in 2017).
- 2) Discount of \$170 given (18%) or so for order of 24 Kapp and 25 Techniques copies. Bookstore Manager said they would pass the savings to students, then I gave discount.
- 3) Down to 2 checks. Ordered new. First since ± early 1990s. (\$109.0)
- 4) Wrote check to myself for \$500 cash advance for personal debit card for shipping; miscellaneous supplies, and any additional trips to storage building.

<u>TOTAL EXPENSES</u>	\$\$	\$ 5,055.85
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Bank balance as of December 31, 2018	\$ 27,242.52
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A decrease of: \$587.29 \$ from January 1, 2018

Comments:

No unpaid bills ... that I know of. Have about \$250 + on my personal debit card that I have a listed on a separate spreadsheet that I have not yet accounted for on the cash advance. I plan to account for those charges in the next few weeks, then just adjust the cash advance lower.

Robert T. Clarke

Respectfully submitted,
Robert T. Clarke
Treas. AASP Foundation
February 16, 2019

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
- INDIA CORRESPONDENT
- 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.

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

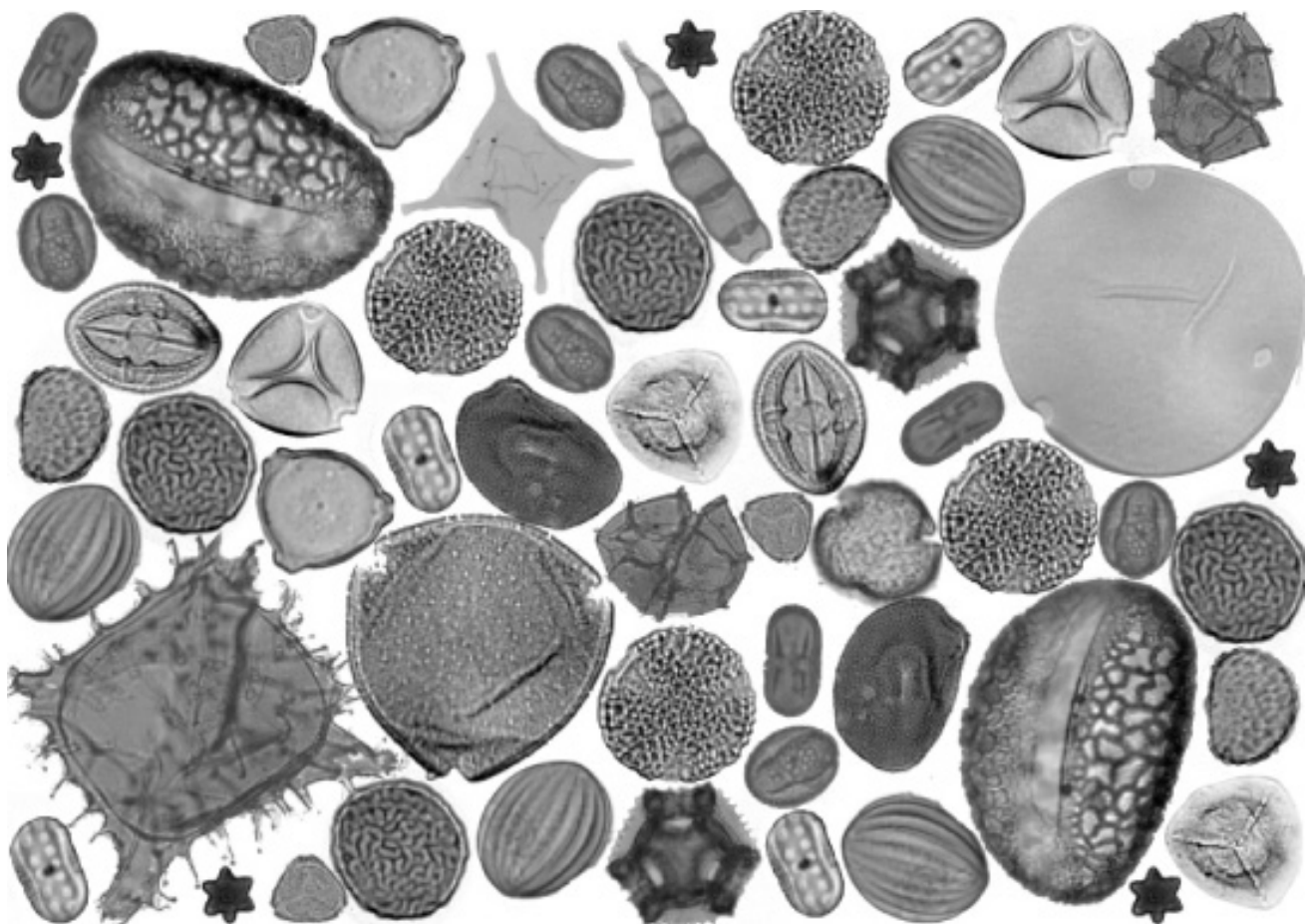
Organizer: Sophie Warny, Kam-Biu Liu & Sibel Bargu

2021

54th Annual Meeting of the AASP–The Palynological Society

Manizales, Colombia

Organizers: Ingrid Romero, Angelo Plata & Andres Pardo



52ND ANNUAL MEETING OF THE AASP – THE PALYNOLOGICAL SOCIETY GHENT, BELGIUM



SUNDAY JUNE 30TH TO FRIDAY JULY 5TH 2019



THIRD CIRCULAR

The 52nd annual meeting of the AASP – The Palynological Society will be held at Ghent University in Belgium between June 30th to July 5th, 2018. The meeting will be convened by Stephen Louwye & Thijs Vandenbroucke of the Dept. of Geology of Ghent University. We are looking forward to welcoming you to 'Het Pand', the conference center of Ghent University.

All practical information regarding the annual meeting is now available on the website of the AASP - The Palynological Society. Check here for registration and more details as they become available:

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



Conference Plan

Wednesday, May 1st, 2019: early bird registration closes

Wednesday, May 1st, 2019: abstract submission deadline

Saturday, June 29th, 2019: arrival in Ghent for field trip attendees

Sunday, June 30th, 2019: arrival in Ghent/registration/pre-meeting field trip to the Paleozoic of southern Belgium /outgoing Board of Directors meeting at Het Pand

Monday, July 1st, 2019: Day 1 of technical sessions/Icebreaker at Het Pand/Early career night

Tuesday, July 2nd, 2019: Day 2 of technical sessions/conference dinner

Wednesday, July 3rd, 2019: Day 3 of technical sessions/incoming Board of Directors meeting at "Het Pand"/ Business Luncheon

Thursday, July 4th, 2019: Start of the 2-day post-meeting field trip to the Cretaceous and Jurassic of northern France.

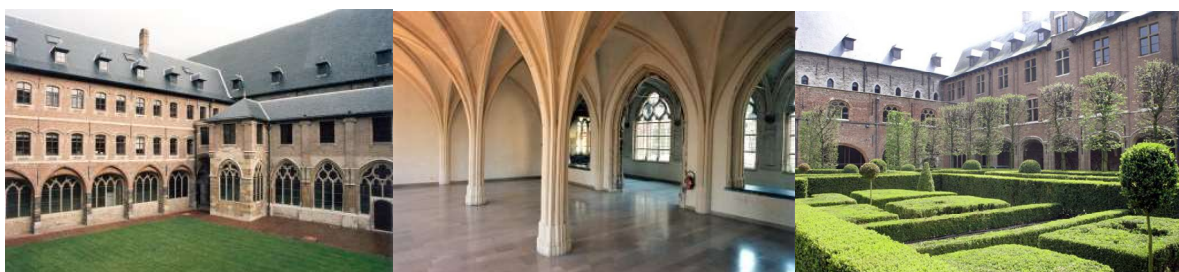
Next to a **General Palynology** session, four dedicated technical sessions focus on:

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

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

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

Teratology in palynology: this session focuses on the study of malformed or aberrant palynomorphs through geological time. *Convenors: Thijs Vandenbroucke (Ghent University) and Sofie Lindström (GEUS).*



The venue 'Het Pand' is conveniently located in the very center of the historic city of Ghent. It is a historical building, a former abbey that was renovated into a conference center with all up-to-date facilities. A wide range of hotels is located in the vicinity of 'Het Pand', ranging from budget-friendly hostels to luxury hotels. Ghent is easily accessible by train. There are high-speed trains from London, Paris, and Amsterdam to Brussels Midi railway station, and direct trains to Ghent from Brussels Airport (50 min), and Brussel Midi railway station (30 min).

Stephen Louwye – stephen.louwye@ugent.be

Thijs Vandenbroucke – 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. Organized by the student representative, we meet on the first night (Monday, July 1st) in one of Ghent's beautiful student bars. In a more informal setting you can meet your fellow 'early careers', exchange experiences and enjoy Belgian beer.

**EARLY
CAREER**

GET



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MARK YOUR AGENDA!

**The 53^d 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
Sibel Bargu Ates at sbargu@lsu.edu
Kam-Biu Liu at kliu1@lsu.edu



LSU

Louisiana State University



Other Meetings and Workshops of Interest

Biostratigraphy applied to the Oil&Gas industry

WORKSHOP
2nd edition

Gil Machado, PhD
(Chronosurveys, IDL)

5th and 6th April 2019
9h-17h
Faculty of Sciences
University of Lisbon, Portugal
room 6.3.41/2

Registration until
29th March

Sign up
here

Workshop for professionals,
researchers, postgraduate and
final year students



50 € student*
30 € student* and member ⁽¹⁾
200€ Professional non-member⁽¹⁾
150€ Professional member ⁽¹⁾

⁽¹⁾ Member of AAPG or APGEP

*Final year and post grad students

For more information:



www.chronosurveys.com

info@chronosurveys.com

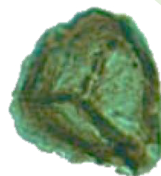
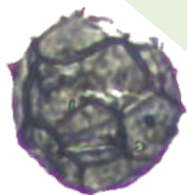
apgeppt.wixsite.com/apgep

APGEP.PT@gmail.com

<http://aapg.fc.ul.pt>

aapg_ul@fc.ul.pt

Biostratigraphy applied to the Oil&Gas industry



Who should attend:

Geoscientists who would like to know more about biostratigraphy and its uses in the oil&gas industry. Industry professionals, researchers, MSc and PhD students and final year undergraduate students

1st day

- History of Biostratigraphy
- Main fossil groups
- Geochronology and Chronostratigraphy
- Biozones and markers
- Use of Biostratigraphy in the Industry
- Practical exercises
 - Types of samples
 - Graphic correlation
 - Age-Depth plots
 - Sedimentation rates
- Hiatus and condensed sequences
- Sequence stratigraphy using biostrat data

2nd day

- Microscope exercises
- Types of organic particles – marine and terrestrial derived.
- Oil prone and gas prone types of organic matter
- Paleoenvironmental interpretation (palynofacies) using Tyson diagram and indexes
- Thermal maturity determination

For more information:



www.chronosurveys.com

info@chronosurveys.com

apgep.pt.wixsite.com/apgep

APGEP.PT@gmail.com

<http://aapg.fc.ul.pt>

aapg_ul@fc.ul.pt



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 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 th 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

Phone: (+351) 239 860 511

11TH 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, 23rd-27th 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 30th 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.



Dates: Sunday 23rd to Thursday 27th June 2019, with symposia running the 23rd to the 24th and the 26th to the 27th. On Tuesday 25th 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
Email re: the meeting may be addressed to: 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



Early Fee Deadline - March 27th

Book now to save up to €50.

We are pleased to announce that registration for the 20th INQUA Congress is now open! Register now to avail of the Early Fee.

Please click on the button below to register for the congress.



20th INQUA Congress 2019 REGISTRATION FEES		
Registration Fee	Early Fee Deadline 27th March	Late Fee After 27th March
Full Delegate	€545	€595
Student Delegate	€445	€495
Full Delegate Least Developed Country	€445	€495
Student Delegate Least Developed Country	€345	€395

Invited Speaker

We are delighted to announce that Mary Robinson will officially open the INQUA 2019 Congress on Thursday 25th July. [Click here](#) for further information.



Plenary Speakers

Please see below our confirmed Plenary Speakers for INQUA 2019 Congress. [Click here](#) for more information.



Dr Helen Bostock



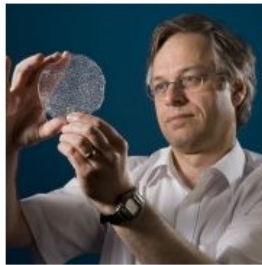
Dr Yohannes Haile-Selassie



Prof Beth Shapiro



Prof Kathy Willis



Prof Eric Wolff



Prof Xiaoping Yang

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



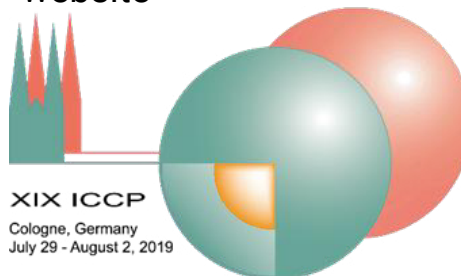


19TH INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN (XIX ICCP 2019)

SECOND CIRCULAR

Adapted to this NL

For more information access the conference
website



XIX ICCP
Cologne, Germany
July 29 - August 2, 2019

With great pleasure we invite you to attend the 19th International Congress on the Carboniferous and Permian, to be held at the University of Cologne, Cologne, Germany, July, 29th–August, 2nd, 2019. It is our special privilege, to host the ICCP again in Central Europe, following the successful meetings in Cracow 1995 and Utrecht 2003, and forty-eight years after the meeting in Krefeld 1971, hitherto the only “Congres International du Stratigraphie et Géologie du Carbonifère” held in Germany.

The widened spectrum of the congress and major advances made in almost 50 years are a unique opportunity to demonstrate the scientific progress in Germany and adjacent countries of Central Europe, to put these into a global frame enabled by the presentations of established researchers and young scientists and students from all over the world, and to evaluate the results on various fieldtrips in classical and new localities. The Carboniferous and Permian of Central Europe display a multitude of facies, which might suit everybody's interest. In the Mississippian, facies range from carbonate platform environments in Belgium and westernmost Germany to the classical basinal Kulm successions

in the Rhenish Mountains and beyond, also seen during the proposed field trip to the Moravo-Silesian Zone (Czech Republic). Pennsylvanian successions contain in part coal-bearing paralic and intramontane succession. The latter continue throughout most of the Permian (“Rotliegend”), and finally are topped by the carbonate and salt deposits of the uppermost Permian “Zechstein” sea, both constituting the classical Northwest-Central European Permian. Finally, an excellent glimpse of the Northwestern margin of the Palaeotethys will be provided by a field trip to the Carnic Alps and Karavanke in the border triangle of Austria, Italy and Slovenia. New data concern stage and substage boundaries, among those on the Devonian-Carboniferous, Viséan-Serpukhovian, and Permian-Triassic boundaries, sequence stratigraphic interpretations, refined biostratigraphic data and non-marine-marine correlations, refined facies interpretations, and spectacular Pennsylvanian-Permian fossils sites. Last but not least, the future economic potential of Carboniferous deposits after ending of coal mining in Germany and adjacent countries is of major interest and new models for the tectonic assemblage of the Variscides “in the heart of Pangaea” emerged in recent years.

We would appreciate to welcome all of you in Cologne. Do not miss this unique forum on the Carboniferous and Permian, meet old and new friends to discuss latest results, and contribute to cutting-edge research of our favourite time slice. We will do our best to organize a splendid meeting!

General sponsors



DSK

**DSK – German Stratigraphic Commission
and Subcommissions on Carboniferous
Stratigraphy, and Permian and Triassic
Stratigraphy**



Sponsoring

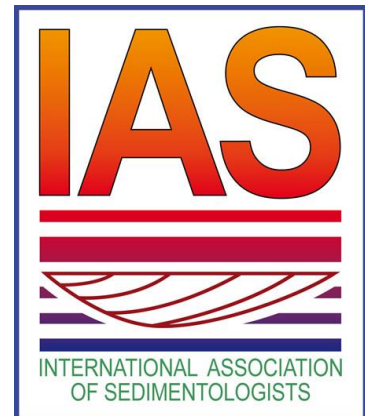


Sponsoring was requested from further science supporting institutions and commercial companies and we are confident to raise additional funds. Updates will be announced on the website

Travel grants

We gratefully acknowledge the International Association of Sedimentologists IAS for the commitment of travel grants for students that are members of IAS, resp. will become members. Application can be done on <http://www.sedimentologists.org/>. Deadline for application is **31-05-2019**.

Travel grants will be a contribution to the expenses, but not a full reimbursement. Please note that money will be transferred to your account after the conference.



The organisation committee will apply for travel grants for scientists at the German Academic Exchange Service DAAD. Affiliation with an university and Ph.D. is required.

Applicants should send their CV and a confirmation of their affiliation directly to ICCP-2019@uni-koeln.de. Deadline for application is **31-03-2019**.

Travel grants will be a contribution to the expenses, but not a full reimbursement. Please note that money will be transferred after the conference . As only a limited number of grants is available, the organisation committee seeks to support especially young scientists from developing countries.

19TH INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN



Our team

MEMBERS OF THE SCIENTIFIC COMMITTEE AND AREAS OF SPECIALIZATION

Michael Amler (Köln), Carboniferous marine invertebrates. Co-leader of the proposed field trip to the Rhenish Mountains

Markus Aretz (Toulouse), Carboniferous and Permian carbonate environments and reefs.

Ondřej Bábek (Olomouc), Co-leader of proposed field trip to the Mississippian of Moravia; multiproxy stratigraphy, sequence stratigraphy and climate-eustacy interactions in the Carboniferous

Julien Denayer (Liège), Leader of proposed field trip to the Mississippian of Belgium; Carboniferous stratigraphy and marine macrobiota.

Holger Forke (Berlin), Leader of proposed field trip to the Pennsylvanian and Permian of the Carnic Alps and Karavanke Mts.; Pennsylvanian and Permian fusulines, stratigraphy and regional geology.

Annette Götz (Portsmouth), Permo-Carboniferous of Gondwana and its conventional and unconventional energy resources.

Hans-Georg Herbig (Köln), Carboniferous stratigraphy and facies; Congress Chair. Leader of the proposed field trip to the Rhenish Mountains.

Jiří Kalvoda (Brno), Co-leader of proposed field trip to the Mississippian of Moravia; Carboniferous stratigraphy and marine microbiota.

Hartmut Jäger (Leimen/Germany), Palynology, Geochemistry, Organic Maturation, basin and hydrocarbon system development. Co-leader of the proposed field trip to the Rhenish Mountains

Hans Kerp (Münster), Permo-Carboniferous palaeobotany.

Dieter Korn (Berlin), Carboniferous and Permian marine invertebrates, stratigraphy, co-leader of the proposed field trip to the Rhenish Mountains

Tomas Kumpan (Brno), Leader of proposed field trip to the Mississippian of Moravia; multiproxy stratigraphy of Devonian and Carboniferous carbonate successions

Spencer G. Lucas (Albuquerque), Permo-Carboniferous vertebrate palaeontology and marine – non-marine correlations.

Svetlana Nikolaeva (Moscow-London), Vice-chair of the International Subcommittee on Carboniferous Stratigraphy; Carboniferous stratigraphy and marine macrobiota.

Matevž Novak (Ljubljana), Leader of proposed field trip to the Pennsylvanian and Permian of the Carnic Alps/Karavanke Mts.; Pennsylvanian and Permian palaeontology, stratigraphy and regional geology.

Edouard Poty (Liège), Co-leader of proposed field trip to the Mississippian of Belgium; Carboniferous marine invertebrates, biostratigraphy and sequence stratigraphy.

Ausonio Ronchi (Pavia), Non-marine Permian basins in Europe, their stratigraphy and biota.

Martin Salamon (Krefeld), Conventional and unconventional Permo-Carboniferous energy resources in Europe.

Jörg Schneider (Freiberg), Vice-chair of the International Subcommittee on Permian Stratigraphy; Co-leader of the proposed field trip to the classical Northwest-European Permian in central Germany; Permian marine – non-marine correlations.

Hans Peter Schönlaub (Vienna and Kötschach-Mauthen), Leader of proposed field trip to the Pennsylvanian and Permian of the Carnic Alps and Karavanke Mts.; stratigraphy, regional and structural geology, palaeogeography/plate tectonics.

Shuzong Shen (Nanjing), Chair of the International Subcommittee on Permian Stratigraphy; Permian stratigraphy.

Vladimir Silantiev (Kazan), Chair of the 18th International Congress on the Carboniferous and Permian; non-marine Permian stratigraphy and biota.

Sebastian Voigt (Thallichtenberg), Leader of the proposed field trip to the Pennsylvanian-Permian non-marine Saar-Nahe Basin, SW Germany; Carboniferous–Triassic non marine biota, palaeoichnology and palaeoenvironments

Xiangdong Wang (Nanjing), Chair of the International Subcommittee on Carboniferous Stratigraphy; Carboniferous stratigraphy.

Volker Wrede (Krefeld): Leader of the proposed field trip to the Pennsylvanian paralic foreland basin of the Ruhr area; regional and structural geology, coals.

Silvio Zeibig (Kassel), Co-leader of the proposed field trip to the classical Northwest-European Permian in central Germany; Zechstein deposits of central Europe and salt mining.

MEMBERS OF THE ORGANIZATION COMMITTEE

Hans-Georg Herbig

Michael Amler

Markus Aretz

Sarah Esteban-Lopez

Sven Hartenfels

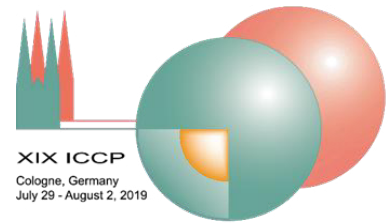
Hanna Cieszynski

Eliza Stehr

Johanna Noelle

(all University of Cologne), Markus Aretz (Université de Toulouse).

19TH 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 19th 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.

How to reach the congress venue

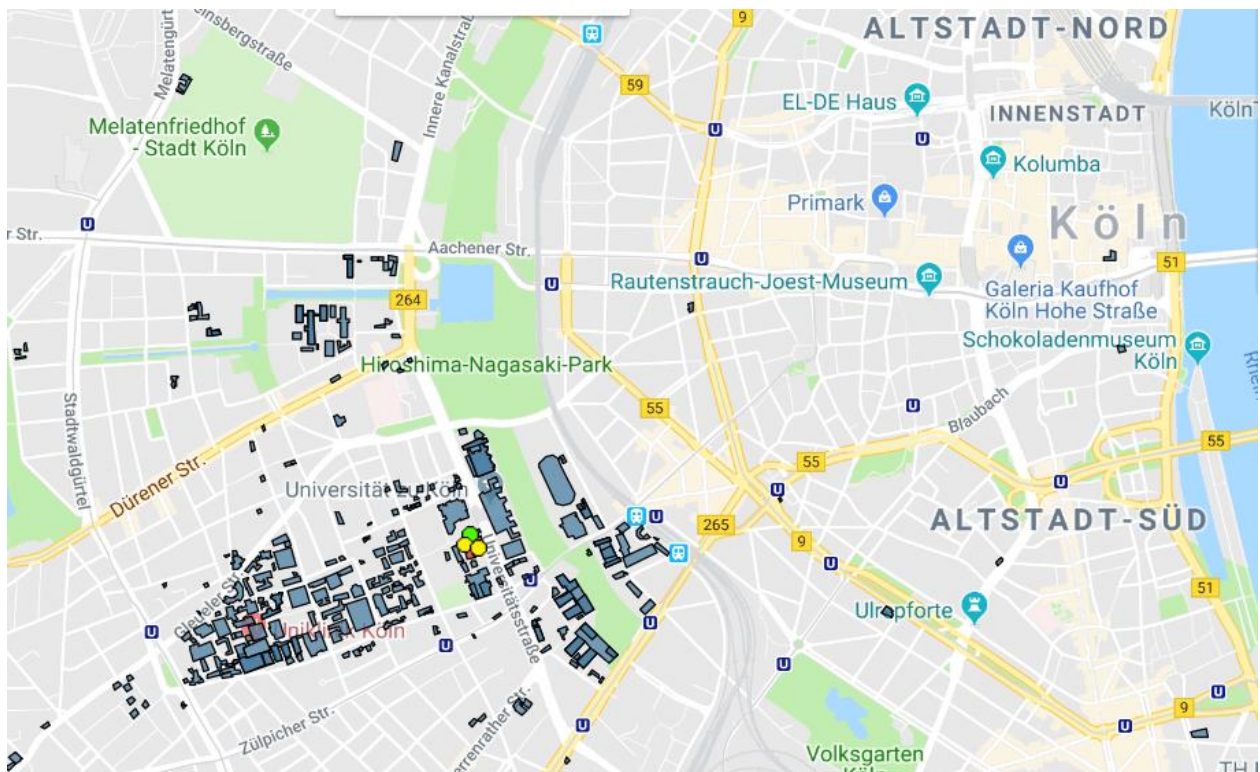


Entrance of the main building of the university



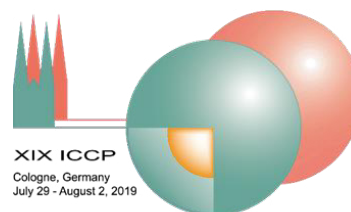
Central lecture hall

The congress will take place in the **Central lecture hall of the University of Cologne, Building No. 105, Universitätsstrasse 35, D- 50923 Köln**. See <https://lageplan.uni-koeln.de/#!105> The building is opposite of the main building of the University at Albertus-Magnus-Platz and can be approached across the pedestrian square in front of the latter. For access with public transport use the tramway line No. 9 from the city center (stations Heumarkt or Neumarkt) in direction **Sülz** and get of at the **station Universität**. By foot, it will take about 30-45 minutes from the center.



Yellow dots indicate the entrances to the central lecture hall. Green dot indicates entrance for handicapped persons.

19TH INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN



Prepare your contributions

ABSTRACTS

Abstracts are due **April, 30, 2019**. The fully citable abstracts will be published in *Kölner Forum für Geologie und Paläontologie*. The volume will be distributed to the registered delegates

Abstracts are limited to **two pages**, format DIN A4. Graphics and/or photographs (black and white, resp. grey shading) as well as key references might be included. Abstracts must be directed to ICCP-2019@uni-koeln.de

Indicate in the first line (1) allocation of your contribution to a session or, if not applicable, to one of the the major topics of the congress. And (2) indicate oral presentation or poster presentation.

Set page margins to 3.1 cm above, 1.9 cm below and 2.1 cm on both sides. Use the font **Book Antiqua** throughout. Indicate below the heading (14 pt, bold, centered) name of authors including not shortened first names (12pt, centered), and below full addresses including emails. Separate heading, names of authors, addresses, and text body by a blank line. Maximum length of the text body (10 pt) including references (9pt) are 90 lines containing 9000 characters (including blanks). Please note that you have to reduce the number of lines correspondingly, if you include figures!

We welcome fully formatted abstracts using the provided word template.

TALKS

Time for oral presentation is limited to 12 minutes + 3 minutes for discussion. Presentations should be prepared in MS Power Point (.ppt, .pptx) and handed in to the organization half-day before the presentation (at evening for the morning sessions, at the morning for the afternoon sessions). Each speakers is allowed to **one presentation**, but individuals may participate as non-presenting co-author in additional talks.

POSTERS

Poster format is restricted to portrait layout DIN A 0 (width 841 mm, height 1189 mm). Do not prepare in landscape format or other sizes due to the size of the display boards! The number of poster presentations per person is not limited. Posters should be on display during all days of the congress, but in case of a very elevated number of contributions, it might be necessary to restrict the presentation to two days (Monday-Tuesday, Thursday-Friday).

WORKSHOPS

Rooms for workshops will be available for any colleagues or working groups on demand. Please contact us not later than May, 31, 2019 with workshop title, duration and expected number of participants. Rooms will be available for the business meetings of the Subcommissions on Carboniferous and Permian stratigraphy and for ad-hoc workshops of smaller groups.

PROCEEDINGS

Congress proceedings will be published, but at the time being no final decision on the format has been made. However, we prefer a publication in the “Compte Rendue” style of earlier congresses, as in our opinion dispersion in several journals minimizes the importance and impact of the congress.

19TH INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN



Social Events

WELCOME RECEPTION

Everybody is invited you to take part in the icebreaker party which is free of charge. Come and gather with friends, listen to experiences from the pre-Congress field trips, register and get your posters ready. And – of course – enjoy local “Kölsch beer”, beverages and snacks. The event will start at 6:00 p.m. at the central lecture hall, and end at 9:30 p.m.

CONGRESS DINNER



The congress dinner might be a special highlight of your stay at the 19th ICCP in Cologne. A river cruise with the ship MS Loreley will bring you through the sunset and return at night in front of the impressive waterfront of the city.

Boarding will be at 7 p.m., return at 11 p.m, but you can stay with all friends and colleagues until one o'clock. Costs including all drinks are 65 €.

19TH INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN



Registration – fees – dates

Electronic registration and all payments have to be arranged via **Converia**. The link is indicated on the Congress website <http://iccp2019.uni-koeln.de/>.

REGISTRATION FEES:

	Before April, 15, 2019 (Early Bird)	April, 16 – May 30, 2019 (Late registration)
Regular participant	280 €; includes congress fee, printed abstract volume, printed volume of all field trips, additional USB stick with electronic versions of both volumes. Welcome reception and refreshments during the sessions	330 €; includes congress fee, printed abstract volume, printed volume of all field trips, additional USB stick with electronic versions of both volumes. Welcome reception and refreshments during the sessions
Student	190 €; as above, applies only with valid student ID card	240 €; as above, applies only with valid student ID card
Single day admittance	80 €, as above without welcome reception and field trip guides	100 €, as above without welcome reception and field trip guides
Accompanying person	80 €; welcome reception, congress bag without scientific contents, refreshments during the sessions	100 €; welcome reception, congress bag without scientific contents, refreshments during the sessions

FIELD TRIPS (to be paid before April, 15, 2019)

A1 – Ardennes	420 €	B3 – Neanderthal Museum	60 €
A2 – Moravia	300 €	B4 – City tour Cologne	10 €
A3 – Central Germany	430 €		
A4 – Ruhr Area	230 €	C1 – Rhenish Mountains	420 €
		C2 – Saar-Nahe Basin	320 €
B1 – Laacher See volcanism	60 €	C3 – Southern Alps	580 €
B2 – Rhenish Brown Coal	60 €		

LUNCH AND CONGRESS DINNER (to be paid before April, 15, 2019)

Lunch at Students restaurant (4 days)	26 €	Congress Dinner (drinks inclusive)	65 €
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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.

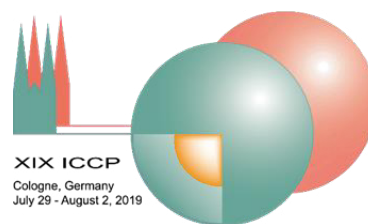
IMPORTANT DATES

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

CONGRESS SCHEDULE

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

19TH INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN



What else? – Some general informations

GUEST PROGRAMME

No formal guest programme is planned at this time. All places of interest can be reached by foot or public transport. For information see the official website <https://www.cologne-tourism.com/>. Feel free to request further information from the organizers.

WEATHER CONDITIONS

Due to its position relatively close to the Atlantic and the North Sea, Cologne has a mild, maritime influenced climate. Average maximum temperatures in July and August are 24°C during the day, minimum temperatures 12–13°C at night. Rain cannot be excluded and even some hot days with temperatures up to 30°C.

TYPE OF CLOTHING

A light rain coat and a sweater should be obligatory. For field trips also bring field boots and, if possible, your hammer and safety goggles. See further information under “Back to the field”.

INSURANCE

The organization committee cannot accept liability for personal accidents or loss of, or damage to private property of participants, either during or indirectly arising from the congress or on the field trips. Participants are advised to take out their own personal health and travel insurance for their journey and for their participation at the field trips.

CONTACT

University of Cologne

Institute of Geology and Mineralogy

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50674 Köln, GERMANY

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Sven Hartenfels, Tel.: ++49-221-4703532

Johanna Noelle (Secretary), Tel.: ++49-221-4705916

Eliza Stehr (Secretary), Tel.: ++49-221-4703532

Fax: ++49-221-4701663

Email: ICCP-2019@uni-koeln.de

Website: <http://iccp2019-Cologne.uni-koeln.de/>



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

6th Silicofossil and Palynology Meeting 2019 4th – 7th September



The 6th Silicofossil and Palynology Meeting will be held at Plymouth University, with lectures and posters on the 4th – 6th September, and a field excursion on the 7th 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 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)

GeoResources STC, Leimen, Germany

www.georesources.de



XV International Palynological Congress

XI International Organization of Palaeobotany Conference

200 Years of Palaeobotany

12-19 September, 2020, Prague, Czech Republic

Dear colleagues,

Please allow me to invite you to the XVth International Palynological Congress and XIth International Organization of Palaeobotany Congress at the Clarion Conference Hotel, Prague, Czech Republic. The congresses will be held together to provide an opportunity for palynologists and palaeobotanists to see, hear, discuss and meet one another after four years. The meeting will be held from September 12th - 19th, 2020. The organising team of Czech and Slovak palynologists and palaeobotanists believes that the congress will provide an opportunity for palynologists to learn more about plants and for palaeobotanists to learn more about palynomorphs. The interactions of both disciplines will be of benefit to all.

The meeting is promoted by the collective efforts of the International Federation of Palynological Societies (IFPS) and the International Organisation of Palaeobotany (IOP).

The scientific programme will cover all aspects of palaeo- and actinopalynology 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, Paleozoic palynology and palaeobotany, and Proterozoic palynology.

We hope you enjoy your stay!

Jiří Bek

Head of Organizing Committee

Field Trips

Lower Palaeozoic of the Barrandian area

Each day will leave Prague in the morning and return in the evening. Two to three-day field-trips in the Cambrian to Devonian sediments south west of Prague will give an opportunity to visit new and classic localities, including the first GSSP of the Silurian-Devonian boundary. At all outcrops, collecting of fossils and sampling for microfossils will be possible.



Pennsylvanian plants of Western Bohemia

Two field trips can be organized. One visiting the area of the Permian of Chemnitz (Germany), second to the Late Carboniferous of Western Bohemia (Czech Republic). Old and new outcrops will be open for participants.



Tertiary of North Bohemia

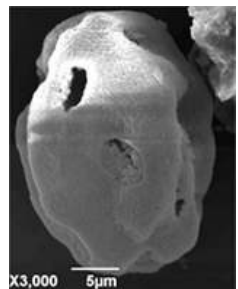
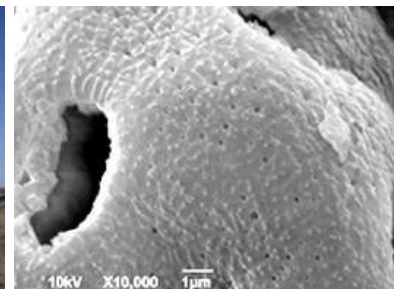
Remnants of Eocene to Pliocene rocks are preserved in depressions and grabens, mainly along the Krušné hory piedmont. Besides fresh-water coal-bearing deposits, the products of volcanic centres occur in Western and Northern Bohemia, forming the eastern branch of the European Cenozoic Volcanic Alkaline Province. North Bohemian Most Basin will be visited with particular interest in the Tušimice open cast mine locality. Classical localities as Kučlín etc. will be also part of the field trip.



Southern Moravia

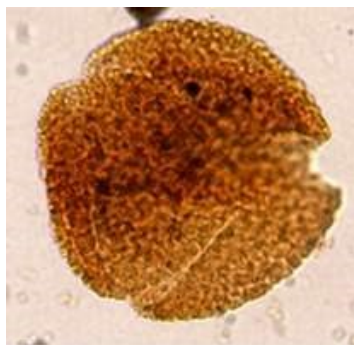
Quaternary: palynology, geology

Localities: Vracov, Vacenovice, Čejčské jezero
Lakes Mikulčice, Pohansko – centres of the Great Moravia
Dolní Věstonice – pedocomplex, loess
Pavlovské vrchy Hills
Pasohlávky – settlement
Confluence of the Dyje, Kyjovka, Morava Rivers
Bulhary – former palaeomeander
Lednice – Valtice area



Southern Moravia

TERTIARY – Miocene - Carpathian foredeep Moravian karst – approx. 15 palynologically evaluated caves.



More information at:
<http://prague2020.cz/index.php>

Email:
prague2020@conferencepartners.cz