



THE SOCIETY FOR ORGANIC PETROLOGY



NEWSLETTER

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36th TSOP Annual Meeting

September 7 – 11, 2019
Bloomington, Indiana, USA



Indiana Memorial Union, Bloomington, Indiana. Photo courtesy of Indiana University

TSOP Meeting Website
<https://www.tsop.org/TSOP2019>

36th TSOP Annual Meeting

September 7 – 11, 2019
Bloomington, Indiana, USA



<https://www.tsop.org/TSOP2019>

Abstracts due by June 15, 2019
Early Registration rates end July 15th, 2019

The 36th Annual Meeting of The Society for Organic Petrology will be held in Bloomington, Indiana, USA from September 7 to 11, 2019. Bloomington is a vibrant little town with a diverse and rich culture situated in the south-central Indiana. Our town is a home to the Indiana University (IU). University's campus, established in 1820, is located in the heart of the Indiana Limestone Heritage Trail, and it was recognized as one of the five most beautiful collegiate campuses in the USA. Please join us in Bloomington as we celebrate 36th TSOP Annual Meeting and explore the beauty and history of Indiana's limestone!

Organizing Committee:

Maria Mastalerz, Agnieszka Drobniak, Arndt Schimmelmann, Tisa Bowden, Indiana University Conference Services

Host Organization:

Indiana University, Bloomington

Conference Venue:

Indiana Memorial Union, Indiana University, Bloomington

The Society for Organic Petrology

TSOP is a society for scientists and engineers involved with coal petrology, kerogen petrology, organic geochemistry and related disciplines. The Society organizes an annual technical meeting and field trips; sponsors research projects; provides funding for graduate students; and publishes a web site, a quarterly Newsletter, membership directory, annual meeting program and abstracts, and special publications. Members are eligible for discounted subscriptions to the Elsevier journals *International Journal of Coal Geology* and *Review of Palaeobotany and Palynology*. Subscribe by checking the box on your dues form, or using the form at www.tsop.org. For the best prices on subscriptions to AGI's *Earth*, see their web site at www.geotimes.org/current.

TSOP is a Member Society of AGI and an AAPG Associated Society.

The Society for Organic Petrology Newsletter

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GUIDELINES:

The TSOP Newsletter welcomes contributions from members and non-members alike. Readers are invited to submit items pertinent to TSOP members' fields of study. These might include meeting reports and reviews, book reviews, short technical contributions including those on geologic localities or laboratory methods, as well as creative works such as poems, cartoons and works of fiction. Photos, graphs and other illustrations are welcomed. Low-resolution images are discouraged, as they cannot be reproduced well in print. Articles are preferred in Microsoft Word, RTF or plain text formats.

Contact the Editor:

Rachel Walker
e-mail: drachelwalker@gmail.com

Address Changes

Please report any changes in address or contact information to: Paul Hackley, TSOP Membership Chair,
phackley@usgs.gov

Members can update their own information by logging into the secure TSOP website:
www.tsop.org/mbrsonly/

The TSOP Newsletter is published quarterly by The Society for Organic Petrology and is distributed to all Society members as a benefit of membership.

Membership in the Society is open to all individuals involved in the fields of organic petrology and organic geochemistry. For more information on membership and Society activities, please see:

www.tsop.org

For purposes of registration of the TSOP Newsletter, a permanent address is:

The Society for Organic Petrology,
c/o American Geological Institute,
4220 King St., Alexandria,
VA 22302-1520 USA

Newsletter Submission Deadlines

March Issue: March 5th, 2019

June Issue: June 5th, 2019

September Issue: Sept. 5th, 2019

December Issue: Dec. 5th, 2019

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TSOP Membership Dues



TSOP dues payments are due on or before **December 31st each year**. We encourage you to check your dues status and make your payment so that you can continue your TSOP membership and support the society and its work.

TSOP dues are currently set at:

Individuals:

- \$25 per year
or
- \$100 for 5 years (5 years for the price of 4!)

Students:

- \$15 per year

Institutional/Corporate:

- \$75 per year

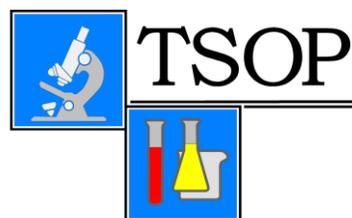
You can use our convenient online dues payment system to pay dues by credit card, check (US Members), or money order.

You can login at www.tsop.org/mbrsonly/ and select 'Online dues payment' or go to www.tsop.org/dues and access the online form without logging in.

Thank you for your interest and support of TSOP and we look forward to a renewal of your TSOP membership.



www.facebook.com/OrganicPetrology



**The Society for
Organic Petrology**

HELLO
I am a

New Member



Dr. Qingyong Luo

Dr. Qingyong Luo received his Ph.D. from China University of Petroleum, Beijing in June 2014, and is an associate professor at the College of Geosciences at China University of Petroleum, Beijing, focusing on organic petrology of the macerals in the pre-Devonian sediments. The subject of his PhD research is “the characteristics and origin of organic-rich sediments in the Hongshuizhuang Formation, Northern North China”. Dr. Luo has been working with international partners on the optical characteristics of the graptolites in the Ordovician-Silurian sediments from China, Sweden, Estonia and Czech for 4 years. He is planning to study the organic petrology of the protobitumen in the Meso-Neoproterozoic and Lower Cambrian sediments in the future.



Dr. Ruoyu Sun

Dr. Ruoyu Sun obtained his PhD degree in 2014 from University Toulouse 3, France where he worked on isotope geochemistry. Ruoyu used mercury stable isotopes to trace and quantify the sources of mercury in coal deposits and mercury emission from coal combustion. His current interests mainly focus on mercury pollution surrounding the subsurface coal fire areas of China.



Mastaneh Liseroudi

Mastaneh Liseroudi received her MSc in ore petrology and geochemistry from the University of Tehran. Mastaneh is currently a PhD student of petroleum geology at the University of Calgary conducting organic petrology and geochemistry research of the Montney Formation in the Western Canadian Sedimentary Basin. Her research will primarily focus on thermal maturation of organic matter and its role in bacterial and thermal sulfate reduction processes leading to H₂S generation.



Zixuan Liu

Zixuan Liu is a student at the China University of Geosciences (Wuhan) majoring coal and petroleum exploration. Her academic studies also include petrology, tectonic geology, petroleum and natural gas petrology. Zixuan's current research focus is on shale pore structure, organic matter porosity and their evolution.



Dr. Jian Shen

Dr. Jian Shen received his BA (2006), and PhD (2011) from China University of Mining and Technology. Since 2011, he has worked in China University of Mining and Technology. Jian's educational experience also includes time at The University of Queensland, Australia, in 2008 and 2017-2018, respectively. He has two years industry experience in the PetroChina Huabei Oilfield (2015-2017). His research interests are in the fields of coal geology, coalbed methane geology and development, CO₂-ECBM.

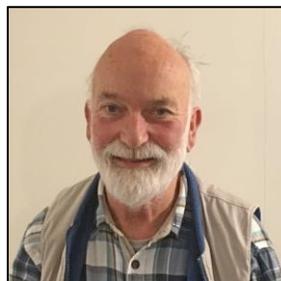
Recently, his research focuses on the origin of extra-thick coal seams, coal petrology influences on coalbed methane development, and CO₂ sequestration into coal seams under the financial support from the National Natural Science Foundation of China and the National Science and Technology Major Project of China.



Mollika Bannerjee

Mollika is currently working as Project Assistant Level-II in a National Project funded by Ministry of Coal, Govt, of India entitled “Shale Gas Potentiality Evaluation of Damodar Basin of India” in CSIR- Central Institute of Mining and Fuel Research, Dhanbad, India. She has worked on unconventional reservoirs like coalbed methane and shale gas associated field and has expertise in Coal Bed Methane (CBM) reservoir evaluation and characterization, Shale Gas Potentiality, Shale/Coal Analysis, Shale/Coal Adsorption and Desorption Studies, Gas Chromatography, Shale Mineralogy/petrography, Shale/Coal pore size and surface area studies.

Andrew moved to Shell in 2001 where he became involved with reservoir geochemistry research, as well as continuing exploration geochemistry support. Later in his time at Shell, he worked on source rock research and helping to provide geochemistry training. Encouraging the application of organic petrography data was an integral aspect of his education activities. Last year he joined the PEER Institute, founded and led by Prof. Yongchun Tang. One of Andrew’s main research areas is the development of Raman based spectroscopic methods for the determination of organic maturity.



Dr. Andy Gize

Using petrography and geochemistry, Dr. Andy Gize’s primary research interest is organic alteration. Andy has held positions at the Carnegie Institution of Washington, and the Universities of Southampton and Manchester. Currently he supports universities and industry through project design, providing data, and report/publication writing.



Dr. Andrew Bishop

Dr. Andrew Bishop’s postgraduate studies began with an SEM study of organic matter in shales at Oxford Brooks University. Andrew joined NRG at Newcastle University for my PhD, with advisors Drs. Geoff Abbott and Mick Jones. The title of his dissertation was ‘Contact metamorphism as a model for burial maturation,’ encompassing molecular maturity parameters and organic petrography. Upon graduation, he began postdoctoral studies, first with Prof. Paul Philp at OU on the topic of high molecular weight hydrocarbons, and then back in Newcastle with Dr. Paul Farrimond studying hopane biomarkers. In '97, he joined Texaco in Houston, working on various petroleum geochemistry topics, including exploration support in the Gulf of Mexico and Brazil.

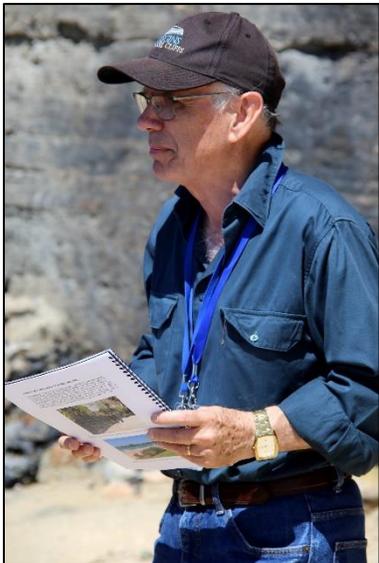
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about joining
TSOP!

www.tsop.org/join_TSOP.html

In Memoriam

Colin Rex Ward

31 December 1945 – 18 September 2018



Colin was born on 31 December 1945 to Rex Alexander Ward (an ambulance officer) and Olive Barbara Ward (nee Miller). The family initially lived in a flat above the Ambulance Station at Marrickville and moved to Matraville in 1950. Colin attended Matraville Public School (1951-57) and then Sydney Boys High School (1958-62). He went from there to the University of New South Wales, graduating in 1967 with a B.Sc. in Applied Geology with First Class Honours and a University Medal in Applied Geology. It was while doing fieldwork for his Honours Thesis that Colin met Kathie and they married in 1968. Colin's undergraduate studies were supported by a scholarship from the Joint Coal Board and included vacation work on different aspects of coal exploration and mine geology. Although his Honours thesis involved mapping the Proterozoic and Devonian strata at Fowlers Gap, north of Broken Hill, and his Ph.D. was on fluvial sedimentology of the Triassic sequence in the southern Sydney Basin, the scholarship and vacation work provided the springboard for much of his subsequent academic career.

After completing his Ph.D., Colin joined the academic staff of the New South Wales Institute of Technology (now the University of Technology, Sydney) as Lecturer in Geology, with responsibility for setting up a teaching program in sedimentary geology and related fields. This included an undergraduate program in coal geology, which was extended in 1977 to become an external short course for graduates working in the coal industry. The graduate-level course has evolved over the years, and Colin provided programs in different aspects of coal geology for companies and other organisations throughout the world. In collaboration with other industry and academic colleagues, he also developed an internationally recognised textbook, *Coal Geology and Coal Technology*, which was published by Blackwells in 1984 and remains a useful reference at the national and international level.

Drawing on knowledge of clay mineralogy inherited from his Ph.D. supervisor, Fred Loughnan, Colin also began research programs to investigate the mineral matter in coal. These were further developed while on study leave at the Illinois State Geological Survey in 1975. He also spent six months with the Sydney-based consultant group of McElroy Bryan and Associates in 1979, working on a range of coal resource evaluations, followed by a second period of study leave at the University of Kentucky in 1980, supported by a Fulbright Travel Award.

Colin returned to the University of New South Wales in 1984, taking up a position vacated by Fred Loughnan's retirement. This allowed a greater focus on research activities, including more in-depth work on mineral matter in coal, investigation of methane ignition by rock friction in underground coal mines, and regional studies on different aspects of the Sydney, Gunnedah and Bowen Basins. In conjunction with colleagues from other institutions, he was also involved in compiling a *Photographic Guide to Cored Rocks of the Sydney Basin* (University of Sydney, 1986), *Geology of Australian Coal Basins* (GSA Coal Geology Group, 1995), *Geology in Longwall Mining* (Coalfield Geology Council of NSW, 1996) and the *Coal Combustion Products Handbook* (2007 and 2014).

Following promotion to Associate Professor, Colin became Head of the Department of Applied Geology at UNSW in 1993. He served in that role during a tumultuous period of change at the University until the end of 2001, when geology merged with other disciplines to form the School of Biological, Earth and Environmental Sciences.

Colin's research program was strengthened by study leave in 1998 at CSIRO and the University of Sheffield, with a focus on developing X-ray diffraction as a quantitative tool for mineralogical evaluation. He has published over 135 refereed papers on his various research projects, and a similar number of full-length papers at national and international conferences. Colin has served as a member of the Editorial Board for the *International Journal of Coal Geology* since 1990, and in 2012 was Guest Editor for a Special Issue of that journal on *Minerals and Trace Elements in Coal*. He has also served as Project Leader in the CRC for Coal in Sustainable Development, working on coal ash characterisation, and as a technical member of the NSW Coal Compensation Review Tribunal.

In the course of his academic career Colin developed a range of teaching and research programs in coal geology and has introduced numerous undergraduate and graduate-level students to different aspects of geology, especially coal geology, both in Australia and overseas. He has also successfully supervised more than 19 postgraduate research student projects, leading to M.Sc. and Ph.D. degrees.

During the course of his professional career, Colin has worked in some 25 different countries worldwide, ranging from the jungles of northern Borneo to the back-blocks of western Mongolia, including the development of a major coal mine in northern Thailand.

Colin retired as Professor of Geology at UNSW in July 2006 but continued as a Visiting Professorial Fellow at the University and as a Visiting Scientist with CSIRO Energy Technology. Colin was awarded a D.Sc. by the University of New South Wales in 2016 and was appointed as an Emeritus Professor at the University of New South Wales in 2017. He was appointed as a Distinguished Professor at the China University of Mining and technology, Xuzhou, China in 2017.

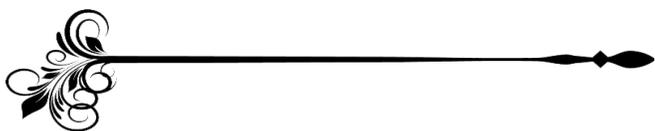
In 2010 he was presented with the Gilbert H. Cady Award for Coal Research by the Geological Society of America, becoming the first Australian coal geologist to be recognised in this way. He has also received the Award for Excellence in Coal Geology from the Coalfield Geology Council of NSW (1998), the 2011 Ralph J. Gray Award for the best refereed paper in organic petrology from The Society for Organic Petrology and the 2017 Dalway Swaine Award for the best refereed paper in coal and hydrocarbon source rock geochemistry. Other honours include presentation of the Kenneth Mosher Memorial Lecture in 2000 and the J.J. Frankel Memorial Lecture in 2007.

Colin served as Chairman of GSA's Coal Geology Group in the early years of its formation (1979-81) and also as Secretary of the New South Wales Division (1983-84). In addition, he has served as Chairman of the Coalfield Geology Council of NSW (1985-87), as Councillor for the Australian Institute of Geoscientists (1991-2000), and as President of The Society for Organic Petrology (2004-2005). He was a Fellow of the Australasian Institute of Mining and Metallurgy, the Australian Institute of Geoscientists, the Geological Society of Australia and the Geological Society of America. He was a member of the International Committee for Coal and Organic Petrology, the Royal Society of New South Wales and an honorary member of The Society for Organic Petrology. In 2012 he was presented with the John Castaño Honorary Member Award from The Society for Organic Petrology, recognising his exemplary commitment to education, excellence in research and service to that Society, as well as to the wider geological community.

Although geology was his passion, during late High School and early University Colin took up skin diving and he was also instrumental in establishing the UNSW Underwater Club. On moving to Kareela he became involved in a number of different community activities, mainly in support of the children. These included serving as Group Committee President for 1st Green Point Scouts, as manager of his son David's cricket team for Sylvania Heights Community and Youth Club and as secretary of the P& C Association and an inaugural member of the School Council at David's High School.

Colin is survived by his wife Kathie, his son David and his daughter Leanne and his three grandchildren James, Alex and Georgia.

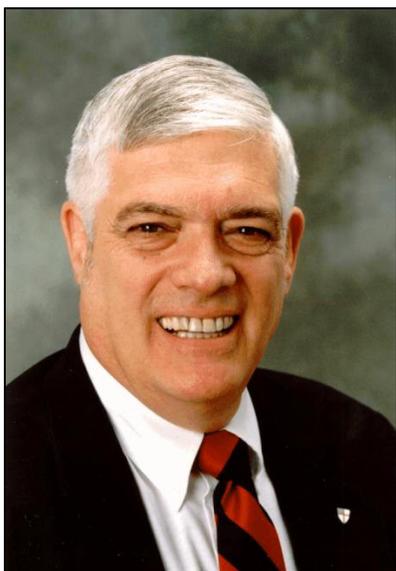
Ian Graham and David French
School of Biological, Earth and Environmental
Sciences
University of New South Wales, Sydney, NSW
2052, Australia



In Memoriam

Jack Crelling

1941-2018



John Crawford Crelling, a renowned coal petrologist, passed away on September 27, 2018. Jack, as he was known to family, friends, and colleagues from around the world, was a consummate professional, a dedicated teacher and mentor, and an insightful researcher. He was born in Philadelphia, PA on June 13, 1941. He received a B.A. in Geology in 1964 from the University of Delaware, and an M.S. (1967) and Ph.D. (1972) in Geology from The Pennsylvania State University. He was also a Captain in the Army Corps of Engineers (1968-1970) where he taught at the Army Engineer School (Ft. Belvoir, VA) and served in Viet Nam where he commanded the 579th Engineer Detachment (Terrain Intelligence) and earned the Bronze Star.

Following his Ph.D. studies, Jack worked for five years in charge of the Coal and Coke Section at the Homer Research Laboratory, Bethlehem Steel. Here, Jack developed his life-long research interest in cokes and the controls on coke quality and properties. This was a significant step in his development as a researcher and, incidentally, an interesting segue from his graduate studies where his M.S. research had been on the coal/coke petrology of natural cokes in the Purgatoire River valley, and his Ph.D. on igneous petrology of dikes in the Spanish Peaks area in southern Colorado. While at Bethlehem Steel, Jack conducted research on the effects of coal weathering on coke quality. This early work led the way for many projects on coking as he moved on in 1977 to a teaching position in the Geology Department at Southern Illinois University Carbondale (SIUC).

Jack worked his way up the ranks at SIUC, from Assistant Professor (1977-1981), to Associate (1981-1987), to Full Professor (1987-2006). Following his retirement, he held the position of Research Professor (2006-2018). During his time at SIUC, Jack developed a world-class coal laboratory, working over the years with many faculty within the department (including Professors Dutcher, Jobling, Kruge, Anderson, and Rimmer) along with numerous visitors to his lab from the around the world. Jack recognized the importance of visiting other labs (such as at the University of Utah and Imperial College, London, UK) and hosted many visitors to his lab in Carbondale. He had collaborators in the United Kingdom, France, Spain, Canada, Pakistan, Japan, China, the Czech Republic, and the Netherlands, among others. He developed a strong association with the University of Newcastle-upon-Tyne in the UK, especially with Dr. Harry Marsh and his research group, with Jack visiting Newcastle several times and spending a memorable sabbatical there in 1991. The visits were reciprocated when Harry Marsh had an extended stay in Carbondale in the early 1990's.

Over the years, Jack developed a broad-ranging research program that included studies on western coals, spectral fluorescence, coking coals and cokes, reactivity of coals and coal macerals, and properties of chars, carbons, and graphites. Perhaps one of his most important efforts was the establishment of a density-gradient centrifugation (DGC) laboratory.

This is a technique borrowed from the biological sciences and allows separation of pure macerals (and other carbon components) based on their different densities. Today, primarily as a result of Jack's efforts, SIUC runs the only DGC lab in the US (and possibly worldwide) that is currently dedicated to coals, kerogens, and other carbon materials.

During his career, Jack published close to 120 peer-reviewed papers, meeting proceedings, short-course notes, and book chapters; he also co-edited three book volumes, one of which "Applied Coal Petrology" (with Isabel Suárez-Ruiz) was awarded the 2009 Ralph Gray Award for Outstanding Book in Coal and Organic Petrology by The Society for Organic Petrology. Jack also had an exceptional funding record to support his research, bringing in close to \$6.4 million in over 70 grants. His significant contributions to our science were recognized by numerous international organizations: Jack was honored with the 2001 Cady Award (Coal Geology Division of the Geological Society of America), the 2002 Joseph Becker Award (Ironmaking Division of the Iron and Steel Society of AIME), the 2007 Reinhardt Thiessen Medal (International Committee for Coal and Organic Petrology), and the 2015 Castaño Award (The Society for Organic Petrology). Similarly, at SIUC his research was recognized, and he was awarded the 1987 Outstanding Researcher Award from the College of Science.

Jack also played important roles in the leadership of our national and international professional organizations. He was involved with The Society for Organic Petrology (TSOP) since the early days, serving in several leadership roles including President. He was also heavily involved in the leadership of the Coal Geology Division of the Geological Society of America. His contributions to these and other groups led to Outstanding Service Awards from The Society for Organic Petrology (2004), American Chemical Society Fuel Chemistry Division (1994, 2003), and the Geological Society of America Coal Geology Division (1995).

Jack was equally renowned as a teacher, earning the SIUC College of Science's Outstanding Teacher Award in 2006. He presented extremely well organized and well received classes at SIUC, and his teaching portfolio included a wide variety of courses from introductory geology, to courses on planetary geology, coal geology, coal petrology, and

even terrain analysis and forensic geology. He also took new graduate students and helped them develop their own teaching skills as they became Teaching Assistants. During his time at SIUC, over 40 students worked on theses and dissertations in the areas of coal petrology and organic geochemistry at SIUC; close to 30 of them were Jack's advisees and they have gone on to successful careers in industry and government. As part of his efforts to share his knowledge, Jack developed and presented numerous short courses and workshops in organic petrology and coal geology. He also developed the first on-line atlas of coal and carbon petrology, one that continues today as "Crelling's Petrographic Atlas of Coals and Carbons" <https://coalandcarbonatlas.siu.edu/>.

Even in retirement, Jack continued to be active and came into the department on a regular basis. He would give guest lectures in Organic Petrology and Coal Geology and was always available to talk with students about their research projects.

Beyond remembering Jack for his scientific and academic contributions, we will also remember him for his strong sense of family. He loved to talk about his life-long partner, best friend and wife Betty, his wonderful sons Ian and Jamie, and in recent years would delight in sharing the latest pictures of his grandchildren Emma and Matheson. Jack seemed to hit the right work-life balance with diverse outside interests including a long-standing love of Sherlock Holmes, his beliefs (he was a life-long Episcopalian), and time spent with many friends and family. Those of us in the department here at SIUC will miss not only his scientific insights, but also his friendship and mentorship.

In recognition of his extensive contributions to our science, a special volume of the International Journal of Coal Geology will be published in his honor; manuscripts may be submitted between January 5, 2019 and April 30, 2019.

For more information on the Special Issue please go to: <https://www.journals.elsevier.com/international-journal-of-coal-geology/call-for-papers/reflections-in-memory-of-john-crelling>

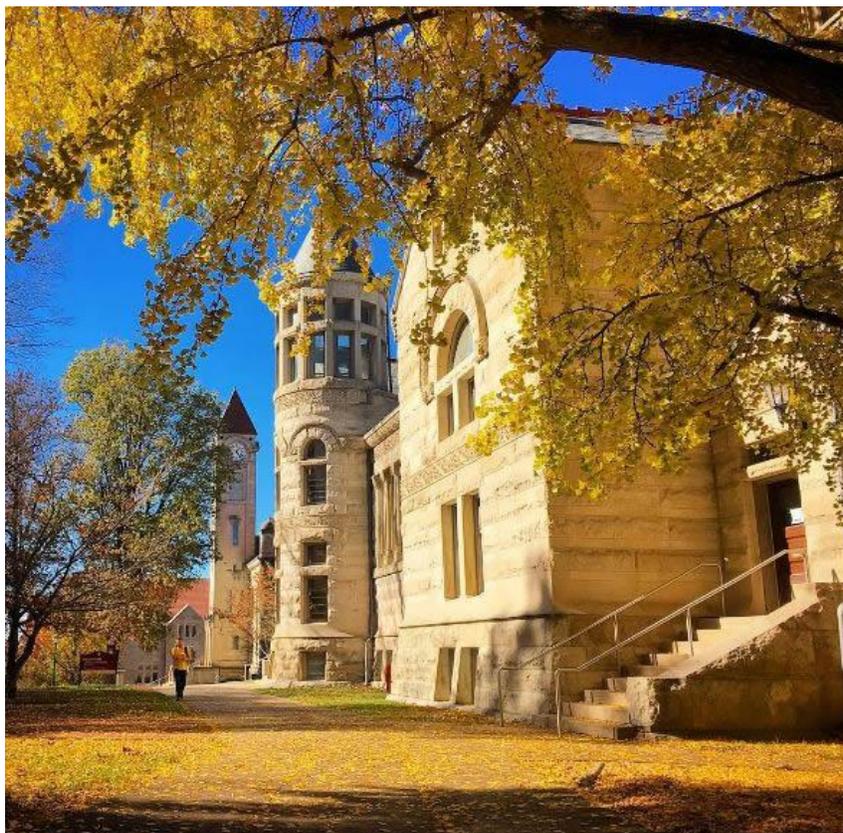
by Sue M. Rimmer
Southern Illinois University Carbondale



**36th
TSOP
Annual
Meeting**

Bloomington
September 7-11, 2019

The 36th Annual Meeting of The Society for Organic Petrology will be held in Bloomington, Indiana, USA from September 7 to 11, 2019. Bloomington is a vibrant little town with a diverse and rich culture situated in south-central Indiana and is home to Indiana University (IU). Founded in 1820, Indiana University Bloomington is the biggest of IU's eight campuses and the largest in the state. From its humble beginning as the "State Seminary" and only 12 students graduating in the first year, IU now ranks in the top 50 universities in the United States. IU's campus is located in the heart of the Indiana Limestone Heritage Trail and has been recognized as one of the five most beautiful collegiate campuses in the USA. Please join us in Bloomington as we celebrate the 36th TSOP Annual Meeting and explore the beauty and history of Indiana's limestone!



Indiana University campus (photo by IU)

PLEASE VISIT THE CONFERENCE WEBSITE FOR MORE INFO

<https://www.tsop.org/TSOP2019/index.htm>

CONFERENCE VENUE

The Indiana Memorial Union (IMU) will be the venue of the TSOP 2019 meeting. The IMU is located in the heart of the Indiana University campus at 900 E. 7th Street, Bloomington, IN, USA. IMU is the world's second largest student union building under one roof. The facilities include administration offices, meeting rooms, hotel, official IU bookstore, movie theater, dining facilities, technology center, billiards room, and a bowling alley!



Indiana Memorial Union (photo by IU)

CONFERENCE TOPICS AND ABSTRACT SUBMISSION

The conference will have 4 technical sessions:

- 1) Oil and gas shale evaluation
- 2) Coal and coalbed methane
- 3) Unconventional applications of organic petrology
- 4) Solid bitumen in unconventional systems

Abstracts for the 36th Annual Meeting of The Society for Organic Petrology should be submitted via email by **June 15, 2019** to agdrobni@indiana.edu

Please visit conference website for more info about abstract submission:

<https://www.tsop.org/TSOP2019/abstracts.htm>

CONFERENCE REGISTRATION

Conference registration is now open! Conference registration services are provided by Indiana University conference services. Please visit the conference website for more info about registration:

<https://www.tsop.org/TSOP2019/registration.htm>

VISA TO USA

Visitors to the USA must present a valid passport and a valid visa issued by a US Consular Official, unless the visitor is a citizen of a country eligible for the Visa Waiver Program. Conference attendees are personally responsible for making their own visa arrangements. Please visit the website of the U.S. Department of State for more information about traveling to the USA and visa requirements.

<https://travel.state.gov/content/travel/en/us-visas.html>

PLEASE NOTE: We will not be providing "Letters of Invitation" to the conference; however, "Letters of Confirmation" (acknowledging that you will be attending the conference) can be requested. According to Indiana University policy, you must be registered for the TSOP conference before you can receive the "Letter of Confirmation".

To request the "Letter of Confirmation" please email iuconfs@iu.edu and include the information below:

- 1) Legal name (as it appears in your passport)
- 2) Legal address
- 3) Source of funding for the conference
- 4) Proof of paid TSOP conference registration

We will be providing 100% registration refund for anyone whose US visa is denied until August 15, 2019. No other registration refunds will be provided. Cancellation requests must be submitted in writing to iuconfs@iu.edu.

Please visit conference website for more info about US visa: <https://www.tsop.org/TSOP2019/visa.html>

TRAVELING TO BLOOMINGTON

The international airport in Indianapolis (IND) is the closest airport to Bloomington. It takes from 60 minutes (by car) to ~80-90 minutes (by shuttle) to drive from the airport to Bloomington. Please visit conference website for more info about transportation options from Indianapolis airport to Bloomington:

<https://www.tsop.org/TSOP2019/travel.htm>



Indianapolis International Airport Colonel H. Weir Cook Terminal (photo by hok.com)

HOTELS IN BLOOMINGTON

Please make your hotel reservations well ahead of time. There will be a football game in Bloomington on Saturday, September 7, 2019. The hotel prices that weekend might be much higher than during the week, and the hotels will fill up quickly.

Conference organizers blocked 25 rooms at the Biddle Hotel and 25 rooms at the Hyatt Place Hotel for TSOP conference attendees. The block release date is **August 6, 2019**, at which point any rooms not reserved will be released back to the hotels for general sale.

Please visit conference website for more info about hotels: <https://www.tsop.org/TSOP2019/hotels.htm>

Location of the TSOP 2019 conference venue and recommended hotels



CALENDAR OF EVENTS 2019



Please send in meeting, short course and special event announcements to the Editor
<http://www.tsop.org/events.html>

	<p>March 4-6, 2019 AAPG Hedberg Research Conference – Houston, TX, USA</p>
	<p>May 19-22, 2019 Annual Convention & Exhibition 2019 – San Antonio, TX, USA</p>
	<p>August 18-23, 2019 Goldschmidt Conference - Barcelona, Spain</p>
	<p>September 7-11, 2019 36th Annual TSOP Meeting - Bloomington, IN, USA</p>
	<p>September 15-21, 2019 71st ICCP Annual Meeting – The Hague, Netherlands</p>
	<p>September 22-25, 2019 GSA Annual Meeting – Phoenix, AZ, USA</p>
	<p>TBA 2019 International Pittsburgh Coal Conference - TBA</p>

Scenes from the 1989 Annual Meeting, Urbana, Illinois



Top left: Meeting Chairman Dick Harvey (seated, middle), past-President Neely Bostick (right), and Martin Reinhardt (standing) examine the Wild Fluorescence Macroscope in the exhibit area; **Top right:** Incoming President Art Cohen presides over the Incoming Council Meeting; **Center left:** Past president Jack Crelling and others enjoy conversation and hors d'oeuvres at the Social; **Center right:** Awards Committee Chairman Suzanne Russell attending the Outgoing Council meeting; **Bottom left:** Business luncheon speaker Andre van der Muelen addresses a rapt audience; **Bottom right:** Incoming Editor covers a breaking story at the Incoming Council meeting.

Flashback in Time! From the 1989 TSOP meeting featuring some of the first photos to be printed in the TSOP Newsletter.