

Vol. 75, No. 1, February, 2024

The Chemical Bonds Needs You! first published 5 January 2024

If you are someone who eagerly awaits the new issue of the Chemical Bond each month, you have probably noticed that our publication schedule has not been regular. If you keep an extra sharp eye on our web site, you

may also notice that we no longer have an editor, but rather have an Interim Editor. If editing content, seeking out interesting stories about our chapter, and learning (or brushing up on) WordPress is something that appeals to you or someone your know, please reach out to editor@stlacs.org Reaching out doesn't commit you. Let us answer any questions you might have and reassure you: this is a great way to get actively involved with the Section. Training will be available, and you will have back-up.

Your editing team, Jeramia Ory, Interim Editor

Eric Ressner, Associate Editor



Dr Kiss was selected by a jury composed of St Louis Section Directors for his outstanding contributions to

St Louis Award 2023: the whole story

attendance.

on-a-chip devices.

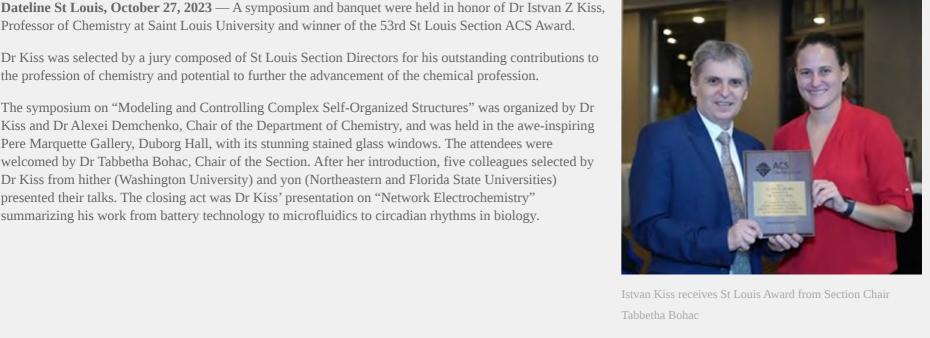
first published 30 November 2023

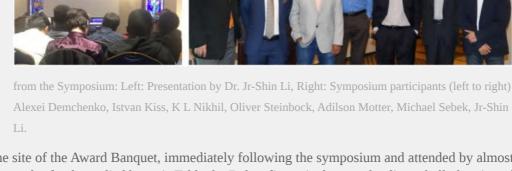
the profession of chemistry and potential to further the advancement of the chemical profession.

Professor of Chemistry at Saint Louis University and winner of the 53rd St Louis Section ACS Award.

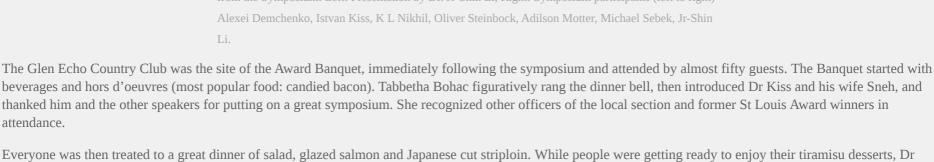
The symposium on "Modeling and Controlling Complex Self-Organized Structures" was organized by Dr Kiss and Dr Alexei Demchenko, Chair of the Department of Chemistry, and was held in the awe-inspiring Pere Marquette Gallery, Duborg Hall, with its stunning stained glass windows. The attendees were welcomed by Dr Tabbetha Bohac, Chair of the Section. After her introduction, five colleagues selected by

Dr Kiss from hither (Washington University) and yon (Northeastern and Florida State Universities) presented their talks. The closing act was Dr Kiss' presentation on "Network Electrochemistry" summarizing his work from battery technology to microfluidics to circadian rhythms in biology.





Demchenko introduced Dr Kiss once more, and Dr Bohac presented him with the Award plaque and honorarium.



Dr Kiss then regaled the attendees with his award lecture (intended to appeal to a more general audience), entitled "Adventures Through Sync and Chaos" detailing his path from a small town in Hungary experimenting with explosives, arriving at Saint Louis University performing innovative research on network theory of chemical and biological reactions. He cited the contributions of his students and collaborators to developments on oscillatory reactions with electrode arrays and lab-

Group photo: front row: Sneh Kiss, Istvan Kiss, John A. Tetteh, Anita Limbu, Mahesh Imaduwa-Gamage, Fadi Alhalabi, back row: Jorge Ocampo, Sagnik Chakraborty, Devanand, Lawrence Bordoh, Michael Emmanuel, Michael Hankins, Michael Sebek. After his talk, his research group presented him with a framed congratulatory citation. Tabbatha then brought the evening to a close, though many stayed to reminisce long after.

For the first time in anyone's memory (OK, in mine), the Continuity Dinner — indeed, any STLACS board meeting — was held on the Illinois side of the river. The

—submitted by J-S Taylor, St Louis Award coordinator

Edwardsville. Some highlights: • The announcement of the Distinguished Service Award winner: Henry Rohrs. The award is officially conferred at Awards Night in March. We thanked Henry for his service as our section's secretary

Continuity Dinner crosses o'er

very impressive run. Thank you, Henry!

first published 20 December 2023

• Delivery of the Henry Godt Memorial Lecture by in-coming chair Jim Bashkin, Jim dazzled the group as he recapped our section's successes throughout the year. Suzy Hartmann was honored and thanked for her hard work and effort on ensuring a successful Midwest/Great Lakes Joint Regional meeting this fall.

We had a wonderful dinner and board meeting to end 2023. We made the trek to the Illinois side of our Section and had a lovely evening at Bella Milano in

chair Jim Bashkin. We are all looking forward to Jim's tenure this year. I'm sure he has plenty of exciting plans for us! Stay tuned. • Following in Jim's footsteps, Elizabeth Bergman stepped in as chair-elect for 2024.

We had an impressive turnout with many of our board members, several recurring faces,

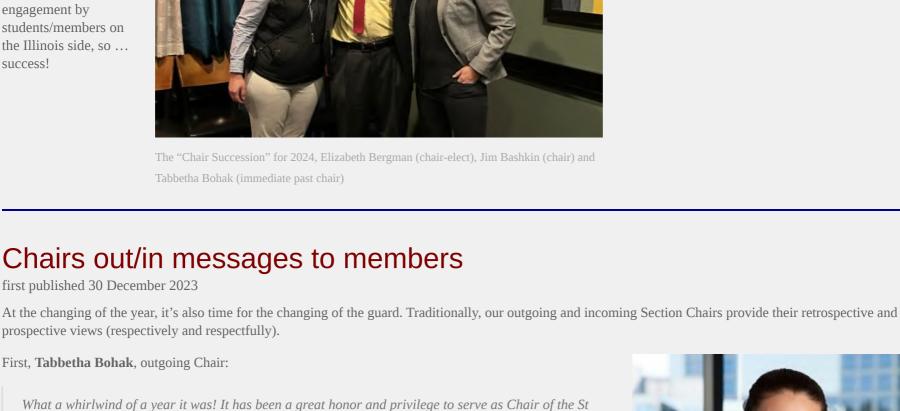
venue was Bella Milano in Edwardsville, and here is Tabbetha's brief but stirring report. Take it away, Tabbetha!

since 2017. His tenure makes him the second longest serving secretary in our Section's history. A

• The chair was officially passed as outgoing chair Tabbetha Bohac handed the reins to incoming

- and a few new ones, as students from SIUE joined us, which was quite welcome. One of
- our goals for having the dinner in Edwardsville





Louis Section ACS for 2023. The year was packed with wonderful and successful events and programming — Cocktails and Coffee with Chemists networking events, St Louis and Midwest award symposia/banquets, the Section Award banquet, Chemistry Merit badge clinics, outreach events, Careers



Of note, we hosted the Midwest/Great Lakes Joint Regional meeting this year. We had 929 attendees, 44

Day event, discussion groups, and more.

matter how much we are told to feel otherwise.

to improve the Section for its members.

Sincerely,

routine NMR analyses.

not hesitate to contact me with suggestions or comments.

maintenance or high capital expenses for replacement.

booth at the Expo, 26 special symposia, 18 oral technical session, 17 poster sessions and over 600 abstracts submitted. The feedback we received was overwhelmingly positive! The venue and expo were well received, and the quality of the talks was outstanding — I heard excitement about the science and the

I deeply value my interactions with the members of ACS and remain continually inspired by the accomplishments of our section members, their dedication to our mission, and their support for fellow members. I look forward to the exciting events our new chair, Jim Bashkin, has in store for us. I am confident that he

Cheers, Tabbetha And now, **Jim Bashkin**, incoming Chair: Welcome to the New Year, everyone. It is an honor to serve as Local Section Chair for 2024, and I arrive on the heels of a successful 2023 campaign for our organization. Thanks to all those who made that success

possible. However, it must be acknowledged that recent job losses in the region significantly impacted our chemists and chemistry. The new Chair-elect, Elizabeth Bergman, and I hope to help with those problems. Having gone through an involuntary separation, I know what this is like and how personal it can feel, no

expo booths from many people that I talked to. We couldn't have pulled this off without the hard work and

Committee, Board of Directors, volunteers and members. I thank everyone for showing their support with their attendance at our events, bringing in new members, and their ideas for improving our outreach.

None of the successes this year would have been possible with the support of an amazing Steering

dedication of all our section members, but especially Suzy, Leah, Jeff, Lisa and Jeramia.

will lead us running through 2024 and serenade us with his successes at this time next year.

The continued networking events, Coffee and Cocktails with Chemists, run by Rhonda Woerndle and Brian Kamusinga, are advertised on Meetup and don't require ACS membership. They offer networking opportunities for chemists of all types and rove around the region to serve all. The ACS offers many job search and skills training tools. Elizabeth will take point in marshaling our resources, including our many experienced members and officers, to highlight the opportunities.

After the excitement and stress of the Regional Meeting last fall, we can regroup and refocus on our strategic plan, which was designed as a grassroots effort

Jim Bashkin How to keep that old NMR up first published 31 January 2024 Chemjobber highlighted Celia Arnaud's item in the December 3rd issue of *C&E News*. Which laments that, when older

Those-were-the-days time: a Varian A-60 was the workhorse NMR when I was a grad student in the [mumblemulble] '70s. If you wanted to install it on your desktop, I suppose you could have, but you'd need a mighty tall stool to operate it.

NMRs — which offer lower resolution, but require no helium for cooling the magnet — may become the workhorses for



Meeting

St Louis Section-ACS Board of Directors meets the second Thursday of each month. We hope to move back to in-person meetings in 2023, please check

Seminars are approximately once a month on Thursdays, 4-5 pm. Details are available on the university's seminar page. All seminars are free and open to

Seminars are generally on Fridays at 12 noon in Carlo Auditorium, Tegeler Hall, unless noted otherwise. Refreshments follow. For the most up-to-date

Join internet meeting at 6:00 pm for social/chit-chat Business meeting begins at 6:30 pm Future meetings: March 14th, April 11th

the public. Contact Jason Telford for more information.

information, refer to the department's home page and follow the link to the Seminar Schedule.

endowed seminar series and the WU med school biochemistry series, are linked here as well.

University of Health Sciences & Pharmacy in St. Louis

Board of Directors

Date: February 8th

the meeting announcements.

Maryville University

Saint Louis University

accessible from this page. Washington University

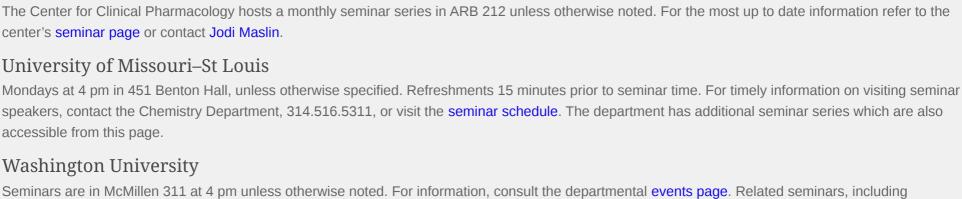
University of Missouri–St Louis

Department of Chemistry

✓ All classes offered in the evening √ Affordable ✓ Research opportunities for credit available

- Dr. Bishal Nepal Lab Manager, MIST Lab Email: bnff8@mail.umsl.edu **Facilities Available**
- TA Instruments TGA Q500 for Thermogravimetric Analysis TA Instruments DSC Q2000 for Differential Scanning Calorimetry Surface Area and Pore Size Analysis Coulter SA3100 Surface Area and Pore Size Analyzer Elemental Analysis
- Spectrometer EDS, Energy-Dispersive X-ray Spectroscopy using 30mm² detector in Apreo 2 SEM

ThermoFisher Scientific TSQ Altis Triple Quad Mass Spectrometer equipped with Vanquish binary pump and Triplus autosampler



M.S. Program in Chemistry

Biotechnology

business

microscope Thermal Analysis

M.S. Program in Biochemistry and

✓ Professional Science Masters available in both

programs - interfacing chemistry, biochemistry and

Contact

Microscopy Imaging and Spectroscopy Technology Lab

Prof. Keith J. Stine

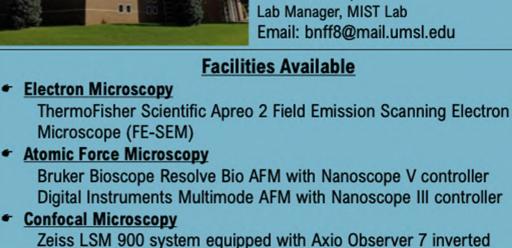
Email: kstine@umsl.edu

(MIST Lab)

and Biochemistry

www.umsl.edu/chemistry

Chair, Department of Chemistry and Biochemistry



- ICP-AES, Vista Inductively Coupled Plasma Atomic Emission Liquid Chromatography-Mass Spectrometry
- About the



Correspondence, letters to the editor, etc., should be emailed to editor@stlacs.org or mailed % St Louis Section–ACS, PO Box 410192, Saint Louis, MO

reminders" group.

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