

TRIAD CHEMICAL TIMES



Central North Carolina Section American Chemical Society



Upcoming Events

Senior Chemist Meeting
September Fall Cleanup

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Letter from the Chair, Rod Bennett

Hello Fellow Central NC ACS Members! As I had mentioned in my July 2020 letter, the COVID-19 Pandemic has continued to change our lifestyles and we have had many challenges this year.

The ACS Central NC Section in-person meetings had to be cancelled for obvious reason, but there are opportunities to utilize the Virtual Meeting approach, to not only continue our local connectivity, but potentially expand our participation! If you are like me, you are doing more ZOOM and other similar virtual platform meetings than I ever have in the past! Everyday there are more and more Virtual Meetings and also Virtual Training Opportunities. Many of the instrument and training groups have opened their vaults to allow for on-line training and webinars.

Many of you hopefully were able to participate in the ACS Virtual National Meeting held in August 2020. The meeting was highly successful with over 6,400 attendees and over 4,000 presentations. Hopefully you also were able to attend the Green Chemistry Virtual Meeting in June 2020, a similar format and the same platform was used.

The Central NC Section is scheduling a series of Virtual Local Section meetings and talks for the second half of the year 2020. As you will note, the Annual Picnic had to be cancelled. In place of many of the face-to-face activities, we plan to have some ZOOM style meetings and educational get-togethers to keep us all involved and connected. A full listing of events (times and connection information) will be sent out soon. Keep a watch on the Central NC Section website for this information: <https://cnc-acs.org/>.

We are delighted to have the opportunity to have our First Virtual Zoom Meeting for the section being conducted by our Senior Chemist Committee. Many Thanks to Dr. Robert Yokley for his continued efforts on behalf of the section! The topic of the meeting is: Edwin P. Hubble: The man who expanded the universe. We are honored to have Dr. Robert Patsiga make this presentation to our entire group.

Also, please note that T.J. Mayer is conducting the CNC-ACS Stream Clean again this September. The clean-up can be anytime between September 12 and 26. Interested volunteers should contact T.J. via email: tj.mayer@carringers.com so that he can make the arrangements and get our group credit for the adopt-a-stream program. T.J. will be providing safety guidelines to each volunteer to review before the cleanup and assign stream locations. Thank You Again, T.J. for keeping this excellent program going! Hopefully everyone saw the excellent photo in C&EN News showing T.J. and Team cleaning up a stream this Spring!

A special word of Thanks to Bill Eberle who has continued to keep us all connected through these Newsletters! He works tirelessly to keep our section going and growing! Thanks, Bill!

I hope everyone is continuing to Stay Well and Stay Safe! I am looking forward to seeing you all on an upcoming Virtual Session and hopefully before too long in-person again!

All the Best!

Rod

Senior Chemist News

Dear CNC Senior Chemists,

Below is the link (& ID and password) required for the Senior Chemists Group ZOOM meeting next Monday, 7 September, at 7:00 PM EST. **Please note the new time** (not 6:30 PM as I reported previously). Dr. Bob Patsiga (bio attached) will present "Edwin P. Hubble: The Man Who Expanded the Universe".

Gather your favorite beverages and snacks, settle into that easy chair in front of your computer, and together, let's enjoy an evening of learning and frivolity. We recommend that you log on for the meeting 5-10 minutes before 7:00 PM. There will be a short business meeting (maybe 5 min) beginning at 7:00 PM prior to Dr. Patsiga's presentation.

Many thanks to our illustrious Local Section Chair, Rod Bennett, for handling the details of hosting this meeting through ACS.

Robert

Chair, Senior Chemists Group

Rodney Bennett is inviting you to a scheduled Zoom meeting.

Topic: September Sr Chemist Meeting CNCS ACS

Time: Sep 7, 2020 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://american-chemical-society.zoom.com/j/95504617756?pwd=bkhqaEoyRDFGUXJPMDg4MGkyV1REdz09>

Meeting ID: 955 0461 7756

Password: 086648

September 2020 Speaker's Bio: Dr. Robert Patsiga

Dr. Robert "Bob" Patsiga was born and raised in New Brighton, PA (just north of Pittsburgh). He received his BS degree at Geneva College in Beaver Falls PA (home of Joe Namath) and his PhD from the State University of New York, College of Forestry, at Syracuse University.

After a couple of years working in industry (Koppers Corporation), Bob switched to academia and taught at Indiana University of Pennsylvania (IUP) for 31 years. During his time at IUP, Bob also participated in research stints at Villanova, LSU, Virginia Tech, and the Air Force Research Center in Dayton, OH as well as a research sabbatical at the Slovak Academy of Sciences.

Bob retired from IUP in 2001. He and his wife, Doris, then moved to King NC to be near their daughter and grandchildren. He performed some part-time teaching at Surry County Community College and Forsyth Tech. He is a member of the Forsyth County Astronomical Society and worked part-time as the operator of the planetarium at Kaleideum (formerly known as SciWorks) in Winston Salem.

Fall Stream Cleanup

The CNC-ACS stream clean can be anytime between September 12 and 26.

Interested volunteers should contact me via email at tj.mayer@carringers.com so that we get credit for our adopt-a-stream program.

I will provide safety guidelines to each volunteer to review before the cleanup and assign stream locations or they can let me know their preference of stream location (1-5) from the map below. The red dot is Lake Daniel Park (google = 410 mimosa dr. Greensboro, NC 27403).

Some additional information below:

- Participating groups should not exceed 10 individuals.
- Due to the pandemic, Greensboro Beautiful will be unable to provide shared cleanup supplies such as safety vests, grabbers, and safety signs.
- Greensboro Beautiful is asking that participants provide their own trash bags and/or plastic grocery bags for collection, and gloves for protection.
- Greensboro Beautiful would like before, during, and after cleanup photos, report the number of bags collected, and the amount of time it took to complete their cleanup. Volunteers can email this information to me and I will submit to Greensboro on behalf of CNC-ACS.



Postdoctoral Research Associate position, CADS Center, WSSU

The Center for Applied Data Sciences (CADS) at Winston-Salem State University (WSSU), a public university under the University of North Carolina (UNC) system invites applications for a three-year Postdoctoral Research Associate position in the field of Data Science.

Who we are. The CADS center at WSSU is an institution-wide initiative with the goal of fostering research and education in data-driven knowledge discovery. CADS aims to bring together computer scientists and domain scientists with complex Data Science(DS) problems to promote and accelerate data-intensive discovery and education. Ongoing research projects are in the areas of Pharmacoengineering, mobile crowdsourcing, spatial justice and social mobility, healthcare management, and music's biophysical influence on the human body. The center is also focused on enhancing inclusion and diversity in DS research and education by promoting various institution-wide and community outreach activities. The center received its inaugural funding of 1.5M for three years funded by the UNC Research Opportunities Initiative (ROI).

What we want. The Postdoctoral Research Associate will conduct novel research in an environment that fosters multi-disciplinary, collaborative research. We seek candidates who are recent Ph.D. graduates and have explicit interests in advancing and/or applying data science to other domains. Prior experience in data science methodologies (such as big data management, machine learning, data visualization, computational modelling, cloud computing, etc.), is required. We are especially looking for a candidate who has a genuine curiosity beyond their core research area, is energized by the opportunity to work across disciplines, and will support our commitment to diversity and inclusion.

What you need to know. This is a grant funded position contingent upon agency funding. The appointment period is one-year with the possibility of renewal based on satisfactory performance up to the length of the grant (3-years). The anticipated start date is August, 2020. The Postdoc will be under the primary mentorship of Dr. Debzani Deb (Director of CADS and Associate Professor in the department of CS at WSSU). Approximately 60% of the Postdoc's time will be dedicated to leading the analytical efforts of the interdisciplinary research projects. The other 40% will be dedicated to assisting the center director in other center supported activities such as curriculum enhancement, faculty training, k-12 and other community outreach activities, mentoring UGA and GA, and managing a seminar series and an annual DS symposium. Additionally, the postdoc will be encouraged to work on independent research projects of their choosing with guidance from the most relevant faculty mentors. There will be substantial career mentoring and professional opportunities (i.e. publications, presentations, grant writing etc.) to ensure the postdoc can leverage this experience to maximize future career productivity.

Salary: A competitive salary package (70,000 - \$75,000 + Benefits) will be available. The position will also be provided with a research expenditure budget which can be used for conference travel, computing equipment, and/or other research-related costs.

Required Qualifications:

1. Applicants must have obtained a Ph.D. in Data Science, AI, Machine Learning, Computer Science or related fields by the start date of the position.
2. Competency in computer science, machine learning and/or data analytics.
3. Excellent communication skills, both oral and written, demonstrated through the development of publications and delivery of presentations.
4. Demonstrated motivation, enthusiasm, and collaborative nature in the field of DS.
5. Ability to work in collaborative and diverse teams, and ability to learn new technical skills.
6. US Citizen/permanent Resident/work visa or authorized to work in USA (OPT/H1-B/J1).

Candidates are encouraged to apply as early as possible. Candidates should prepare the following materials:

- A cover letter that explains your motivation for applying to this program and provide evidence of meeting the required qualifications as outlined above.
- A curriculum vitae.
- A research statement that summarizes current research interests, past accomplishments, and future research goals.
- Up to three representative research papers.
- The names and contact information of three references.

For additional information about the position, please contact Dr. Debzani Deb at debd@wssu.edu.

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