

# TRIAD CHEMICAL TIMES



Central North Carolina Section American Chemical Society

## Honoring our 50, 60 and 70 year Members

See Page 2 for Dinner Details



| Year | Anniversary | Name                          |
|------|-------------|-------------------------------|
| 2020 | 50          | Dr. William Dee Baily         |
| 2020 | 50          | Dr. Craig Harrison Miller     |
| 2020 | 50          | Dr. Chi Kuen Shu              |
| 2020 | 50          | Mr. Andrew J. Sensabaugh, Jr. |
|      |             |                               |
| 2021 | 50          | Mr. John David Ledden         |
| 2021 | 50          | Mr. George Peter Sembert      |
| 2021 | 50          | Dr. William E. Swain, Jr.     |
| 2021 | 60          | Dr. Donald H. Piehl           |
| 2021 | 70          | Mr. Thomas A. Alsbaugh        |
|      |             |                               |
| 2022 | 50          | Dr. John L. Abernethy         |
| 2022 | 50          | Mr. Willie Lee Hinze          |
| 2022 | 50          | Dr. David F. MacInnes, Jr.    |
| 2022 | 50          | Dr. Narayanankutty Pariyadath |
| 2022 | 60          | Dr. Audrey M. Ihrig           |

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## CNC-ACS Officers

|                    |             |  |
|--------------------|-------------|--|
| Mr. Kent Kabler    | Chair       | <a href="mailto:kent.kabler@syngenta.com">kent.kabler@syngenta.com</a>       |
| Open               | Chair Elect |  |
| Dr. Brian Kinsella | Treasurer   | <a href="mailto:brian.kinsella@syngenta.com">brian.kinsella@syngenta.com</a> |

CNC-ACS Website: <https://cnc-acs.org/>

Newsletter Editor: Bill Eberle [bill.eberle@syngenta.com](mailto:bill.eberle@syngenta.com)





Please make plans to attend this special dinner to honor the  
50 – 60 – 70-year members of the CNC-ACS local section!

**When:** September 15, 2022, 5:30 – 8: 30 pm

**Where:** Wyndham Garden Hotel, 415 S. Swing Rd., Greensboro, NC 27409

**What:** Dinner buffet followed by presentation of service certificates. Dinner is complementary for all honorees and their spouses. The cost for additional guests and local section members will be \$15.00 / person.

Please RSVP to [kent.kabler@syngenta.com](mailto:kent.kabler@syngenta.com) by Sept 9<sup>th</sup> and include number attending.

| <b>Member Anniversary (years of service)</b> |                     |                        |
|--|---------------------|------------------------|
| <b>50</b>                                    | <b>60</b>           | <b>70</b>              |
| Dr. William Dee Baily                        | Dr. Donald H. Piehl | Mr. Thomas A. Alsbaugh |
| Dr. Craig Harrison Miller                    | Dr. Audrey M. Ihrig |                        |
| Dr. Chi Kuen Shu                             |                     |                        |
| Mr. Andrew J. Sensabaugh, Jr.                |                     |                        |
| Mr. John David Ledden                        |                     |                        |
| Mr. George Peter Sembert                     |                     |                        |
| Dr. William E. Swain, Jr.                    |                     |                        |
| Dr. John L. Abernethy                        |                     |                        |
| Mr. Willie Lee Hinze                         |                     |                        |
| Dr. David F. MacInnes, Jr.                   |                     |                        |
| Dr. Narayanankutty Pariyadath                |                     |                        |



# JSNN



Joint School of  
Nanoscience and Nanoengineering

**JSNN Special Seminar**

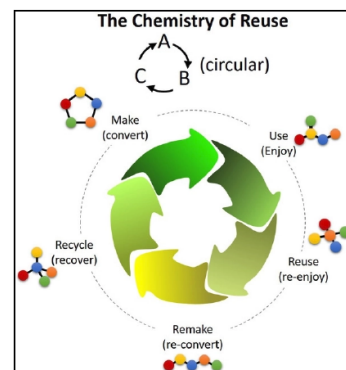
## “Circular Chemistry: Designing the Circular Economy at the Molecular Scale”

**Prof. Javier García-Martínez**  
*Department of Inorganic Chemistry*  
*University of Alicante, Spain*

**Thursday, August 25<sup>th</sup> at 4:00 PM**

### ABSTRACT

Chemistry is usually defined, conceived, and taught as the science of transformation. To adapt to the circular economy, chemistry must evolve towards being the science (and industry) of reuse. Rethinking chemistry for a circular economy involves profound changes, from the way molecules are conceived to how processes are designed to ensure traceability, recyclability, and reuse. Circularity at the molecular level means turning chemistry toward the reuse of atoms, molecules, monomers, polymers, etc. –and represents an opportunity to place chemistry at the center of the new circular economy. Several examples of circular economy will be presented, including the design of a new generation of plastics with break-points or dynamic bonds that allow for their disassembly into their monomers and their reconstruction.



### **Biography**

Prof. Javier García-Martínez is Director of the Molecular Nanotechnology Lab at the University of Alicante (Spain), a world-leading research center on the synthesis and application of nanostructured materials for the sustainable production of chemicals and energy. He is the founder of Rive Technology, a company that commercializes nanostructured catalysts that significantly reduce CO<sub>2</sub> emissions while increasing energy efficiency and was acquired in 2019 by W. R. Grace & Co. His contributions to catalysis, energy, and chemistry have been recognized with multiple awards, including the Premio Rey Jaime I (2014) and the Kathryn C. Hach Award for Entrepreneurial Success from the American Chemical Society (2015). He currently serves as a member of the Council of Emerging Technologies – World Economic Forum and as President of the International Union of Pure and Applied Chemistry (IUPAC).



JSNN



Joint School of  
Nanoscience and Nanoengineering

**Fall 2022 Seminar Series**

**Friday, August 19th, 11 AM**

**Prof. Theo Dingemans**

Department of Applied Physical Sciences, UNC Chapel Hill

*"High Performance Polymers: Function follows Form"*

Host: Prof. Lifeng Zhang

**Friday, August 26th, 11 AM**

**Prof. David Gracias**

Dept. of Chemical and Biomolecular Engineering, Johns Hopkins University

*"Smart 3D Microtechnologies for Biology and Human Health"*

Host: Prof. Suzanne Ahmed

**Friday, September 2nd, 11 AM**

**Prof. Andrea Goforth**

Department of Chemistry, Portland State University

*"Synthetic Development of Inorganic Nanoparticles Tailored for  
Biomedical Imaging Applications"*

Host: Prof. Dan Rabinovich

**Friday, September 9th, 11 AM**

**Prof. Edwin C. Kan**

Department of Electrical and Computer Engineering, Cornell University

*"Probing inside the Living Body with Touchless RF Sensors"*

Host: Prof. Hemali Rathnayake

**Friday, September 16th, 11 AM**

**Prof. Gregory Parsons**

Dept. of Chemical and Biomolecular Engineering, NC State University

*“Atomic Scale Processing of Semiconductor Devices”*

Host: Dr. Mahdi Fahim

**Friday, September 23rd, 11 AM**

**Prof. Martín Conda-Sheridan**

Pharmaceutical Sciences, University of Nebraska Medical Center

*“Tuning Molecular Structure to Achieve Supramolecular Control of Peptide Amphiphile Nanostructures”*

Host: Prof. Dan Rabinovich

**Friday, September 30th, 11 AM**

**Prof. Javier Vela**

Department of Chemistry, Iowa State University

*“Nanocrystals for Clean Energy and Sustainability”*

Host: Prof. Dan Rabinovich

**Friday, October 21st, 11 AM**

**Prof. Donna A. Chen**

Department of Chemistry and Biochemistry, University of South Carolina

*“Designing New Heterogeneous Catalysts Through Metal-Metal Interactions:  
Pt-Re/TiO<sub>2</sub> for the Water Gas Shift Reaction”*

Host: Prof. Yirong Mo

**Friday, October 28th, 11 AM**

**Prof. Xiangwu Zhang**

Wilson College of Textiles, North Carolina State University

*“Functional Fibers and Nanofibers for Energy Storage:  
Past, Present, and Future”*

Host: Prof. Lifeng Zhang

**Friday, November 4th, 11 AM**

**Prof. David H. Waldeck**

Department of Chemistry, University of Pittsburgh

*“Adventures with Chiral Induced Spin Selectivity”*

Host: Prof. Jianjun Wei

**Friday, November 11th, 11 AM**

**Prof. Joseph C. Furgal**

Department of Chemistry, Bowling Green State University

*“Silicon-based Hybrid Polymers from Photochemical Responses to  
Catalytic Recycling”*

Host: Prof. Hemali Rathnayake

**Friday, November 18th, 11 AM**

**Prof. James C. Bonner**

Department of Biological Sciences, North Carolina State University

*“Mechanisms of Nanoparticle Modulation of Allergic Lung Disease”*

Host: Dr. Mahdi Fahim

*Seminar presentations will be held in-person in the JSNN Auditorium unless otherwise indicated.*

CNC-ACS Local Section – Summer Picnic at Bur-Mil Park, Greensboro, NC

Friday, August 5<sup>th</sup>, 2022

*We had a great time at the summer picnic! Thank you to the organizers, participants, and especially TJ Mayer, the grillmaster!*



# Clarkson Materials Chemistry Symposium

## *Advanced Functional Materials for Emerging Science and Technology*

Clarkson University and CAMP are excited to host a 1.5-day symposium on **October 1-2 2022**, which will bring together leaders in the field of materials chemistry, including invited speakers and student posters.



### *Plenary Speaker:*

Omar Farha (Northwestern University)

### *Keynote Speakers:*

Tomislav Friščić (McGill University)

Silvana Andreescu (Clarkson University)

Christopher Ober (Cornell University)

**Confirmed speakers:** Paschalis Alexandridis (U. Buffalo), Surita Bhatia (Stony Brook), Eric Bloch (U. Delaware), Kelly Burke (UConn), Brett Fors (Cornell), Ashlee Howarth (Concordia U.), Pat Mather (Penn State), Philip Milner (Cornell), Colin Nuckolls (Columbia) Rajesh Sunasee (Plattsburgh), Marcus Weck (NYU), Tom Woo (U. Ottawa), Helen Zha (RPI). More to follow

Join 100+ researchers in Potsdam NY in the foothills of the Adirondack Mountains during the beautiful fall season. Get more information and register at:

<https://sites.clarkson.edu/camp/clarkson-materials-chemistry-symposium/>



ACS Local Section  
Northern New York



CAMP  
Center for Advanced  
Materials Processing



## CNC-ACS Executive Committee

|                           |                |  |              |
|---------------------------|----------------|--|--------------|
| Chair                     | Kent Kabler    | <a href="mailto:Kent.kabler@syngenta.com">Kent.kabler@syngenta.com</a>                       | 336-632-6014 |
| Chair Elect               | <b>Open</b>    |  |              |
| Treasurer                 | Brian Kinsella | <a href="mailto:brian.kinsella@syngenta.com">brian.kinsella@syngenta.com</a>                 | 336-632-2195 |
| Councilor ('22)           | Robert Yokley  | <a href="mailto:yokleyrobert@gmail.com">yokleyrobert@gmail.com</a>                           | 336-558-8212 |
| Alternate Councilor ('21) | Ed Robinson    | <a href="mailto:Edwardrobinson.robinsoner@gmail.com">Edwardrobinson.robinsoner@gmail.com</a> | 336-337-3361 |
|                           |                |  |              |
| Director                  | Bill Eberle    | <a href="mailto:bill.eberle@syngenta.com">bill.eberle@syngenta.com</a>                       | 336-632-7569 |
| Director                  | TJ Mayer       | <a href="mailto:tjmayer@carringers.com">tjmayer@carringers.com</a>                           | 336-708-0643 |

## CNC-ACS Committees

|                                |                |  |              |
|--------------------------------|----------------|--|--------------|
| Awards                         | Robert Yokley  | <a href="mailto:yokleyrobert@gmail.com">yokleyrobert@gmail.com</a>                           | 336-558-8212 |
| Education                      | Etta Gravely   | <a href="mailto:gravely@ncat.edu">gravely@ncat.edu</a>                                       | 285-2231     |
| Chemistry Olympiad             | Steve Kennedy  | <a href="mailto:skenned1@highpoint.edu">skenned1@highpoint.edu</a>                           | 412-304-3844 |
| Science Center Advisor         | Jerry Walsh    | <a href="mailto:jlwalsh@uncg.edu">jlwalsh@uncg.edu</a>                                       | 336-334-5672 |
| UNCG HS Lab Day                | Jerry Walsh    | <a href="mailto:jlwalsh@uncg.edu">jlwalsh@uncg.edu</a>                                       | 336-334-5672 |
| Earth Day                      | TJ Mayer       | <a href="mailto:tjmayer@carringers.com">tjmayer@carringers.com</a>                           | 336-708-0643 |
| Government Relations           | Ed Robinson    | <a href="mailto:Edwardrobinson.robinsoner@gmail.com">Edwardrobinson.robinsoner@gmail.com</a> | 337-3361     |
| Hospitality                    | <b>OPEN</b>    |  |              |
| Long Range Planning            | <b>OPEN</b>    |  |              |
| National Chemistry Week        | Steve Kennedy  |  |              |
|                                |                |  |              |
| Newsletter Editor              | Bill Eberle    | <a href="mailto:bill.eberle@syngenta.com">bill.eberle@syngenta.com</a>                       | 336-632-7569 |
| Poster Vendor Night            | Bill Eberle    | <a href="mailto:bill.eberle@syngenta.com">bill.eberle@syngenta.com</a>                       | 336-632-7569 |
|                                | Sarah Sihvonen | <a href="mailto:sksihvonen@gmail.com">sksihvonen@gmail.com</a>                               | 336-632-2369 |
|                                | Mandy Stauffer | <a href="mailto:amanda.stauffer@syngenta.com">amanda.stauffer@syngenta.com</a>               | 336-632-6175 |
| Professional Relations         | <b>OPEN</b>    |  |              |
| Public Relations/Publicity     | <b>OPEN</b>    |  |              |
| Science Advisor –              | <b>OPEN</b>    |  |              |
| Science Advisor – Richard Burr | Liliana Garcia | <a href="mailto:lilianagarcia@live.com">lilianagarcia@live.com</a>                           |              |
| Student Members                | <b>OPEN</b>    |  |              |
| Senior Chemists                | Paul Weller    | <a href="mailto:wellerp007@hotmail.com">wellerp007@hotmail.com</a>                           |              |
| Web Page                       | Beth Williard  | <a href="mailto:eliza-beth.williard@syngenta.com">eliza-beth.williard@syngenta.com</a>       |              |
| Women Chemist                  | <b>OPEN</b>    |  |              |