THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

October 2022, Vol. 59, No. 10

Contents

Midland Section ACS Board of Directors 2023 Election

Shuting Feng, Chair, Nominations and Elections Committee, Midland Section ACS

The annual election for the Midland Section ACS Board of Directors will be open starting **Monday, October 24 and will close at 11:59 PM EST on Monday, November 14**.

The positions that are open for election are:

- Chair-Elect *(3-year term)*
- Treasurer *(1-year term)*
- Secretary *(1-year term)*
- Nominations and Elections Committee Chair *(1-year term)*
- Director - 3 positions *(3-year terms)*

The list of candidates running for the open Officer and Board positions is as follows:

Position (# of vacancies)	Candidates	
Chair-elect (1)	Deboleena Chakraborty	Erin Vogel
Treasurer (1)	Anirudha Banerjee	Justin Massing
Secretary (1)	Allison Abdilla	Krishnaja Duvvuri
Chair, N&E Committee (1)	Raghida "Reggie" Bou Zerdan	Binbin Luo
	Kelli Ogawa	-
Directors (3)	Hyder Aliyar	Dan Dermody
	Wendell Dilling	Yiyong He
	Wenyi Huang	Krishna Janmanchi
	Steve Keinath	Angelar Muthike
	Nisaraporn (Eve) Suthiwangcharoen	-

Below is a summary of the description and nominees for each of the open positions.

Chair-Elect: The chair-elect shall serve as Acting Chair of the Section in the absence of the Chair. Additionally, the chair-elect will succeed to the chairmanship of the Section on the following January. They serve on the Board of Directors and the Executive Committee.

Candidates for Chair-Elect:

Deboleena Chakraborty, Ph.D.

Research Scientist, Dow Core R&D

Deboleena (Leena) Chakraborty is a Research Scientist in Dow's Core R&D Engineering & Process Science organization located in Midland, MI. She is extensively engaged in translating discoveries to commercially viable and fully optimized chemical processes for various Dow businesses. She is also a part of Core R&D's LCA (Life-Cycle Assessment) Center of Expertise as a Subject Matter Expert helping our business partners make data driven decision making to further Dow's sustainability goals. She assumed this additional responsibility in January 2021.

Leena joined the Process Development group within Dow in 2010, where she applied her expertise to find innovative solutions to support new process developments and commercialization for many Dow businesses. Two of the three Dow AgroSciences molecules she worked on got commercialized. She received the 2014 WRAP award. Leena also successfully completed The Sustainability Academy in June 2019 where her team supported DCC to identify business opportunities in closing the loop on plastic waste which can be used as a manufacturing ingredient. Prior to joining Dow, Leena was a Senior Research Associate at Hindustan Unilever Ltd. in India where she was a part of the R&D team responsible for nationwide launch of Pureit®, a portable water purification device.

Leena holds a Ph.D. in Chemical Engineering from Michigan State University. She is active in many professional organizations internal and external to Dow. In addition to her professional responsibilities, Leena is the Site Implementation Leader (SIL) of Asian Diversity Network's Midland Chapter and NA ADN Steering committee member where she provides leadership and develops strategy for the network to further Dow's Ambition towards Decarbonization and Growth. Leena served as the Chair of Mid-Michigan AIChE chapter in 2020-2021. She served as the Awards Chair for AIChE Women in Chemical Engineering (WIC) during 2020-2021. Leena was one of the Focus circle facilitators at 2021/2022 Society of Asian Scientists and Engineers (SASE) Leadership Conferences. She serves as the Professional Development pillar of Mid-Michigan SWE (Society of Women Engineers) Chapter.

Erin Vogel, Ph.D.

Erin Vogel joined Dow Chemical Core R&D in 2008 where she made many contributions to the field of polymer science in the development and application of novel materials such as next generation flame retardants and block copolymers for directed self-assembly. In 2011, she joined the Industrial Coatings R&D group within Dow Coating Materials where she has held a variety of roles developing novel polymers for metal protection and shaping the market and technology strategy for durable traffic paints, various metal protection applications, and compostable paper coatings. In addition to her extensive project impact, Erin has a passion for inclusion and diversity (I&D) and the promotion of science at Dow and in her community. She is leading a global I&D team at Dow to raise awareness and identify actionable steps to improve each employee's experience and is active in the Midland Public Schools serving on the DEI (diversity, equity, and inclusion) Advisory Board planning events in elementary, middle, and high schools. She also leads the American Coatings Association (ACA) Science and Technology Roadmap Subcommittee with the objective of creating and advancing technology roadmaps. Erin serves on Calvin University's Chemistry and Biochemistry External Advisory Board and on the Michigan State-Dow Professional Development team supporting undergraduate and graduate students interested in pursuing scientific industrial careers. Erin has co-authored 24 priority patent applications with 13 granted US patents and over 20 external publications/articles. Erin received her B.S. in Chemistry from Calvin College and her Ph.D. in Organic Chemistry from Michigan State University.

Treasurer: The treasurer shall assist in the preparation of an annual budget in cooperation with the Chair and Finance Committee. They shall also pay the bills, handle receipts, keep financial records and report to the Board of Directors. Lastly, the treasurer will make out an annual report with the content and format required by National and file the IRS returns.

Candidates for Treasurer:

Anirudha Banerjee, Ph.D.

Anirudha joined Dow in 2019 after completing his bachelor's degree in Chemical Engineering from IIT Kharagpur, India, in 2014, and a Ph.D. in Chemical Engineering with a Certificate in Technology Management from the University of California Santa Barbara in 2019. Within the Technology Management Program, Anirudha took several courses on business strategy and finance, and led a team of four to pitch a business proposition to local investors as part of the New Venture Competition. Since joining Dow, Anirudha has been leading Dow's efforts to replace persistent and bioaccumulative perfluoroalkyl substances (PFAS) in class B firefighting foams with benign fluorine-free alternatives. In this role, Anirudha is working closely with marketers to develop Dow's go-to-market strategy, prepare financial projections, and lead customer relationship. Anirudha has been an active member of the Midland ACS Section. He chaired the 2020 Fall Scientific Meeting where he led a team of seven to successfully transition the entire in-person event to a virtual platform for the first time in the event's history to ensure a safe experience for >100 attendees amid a global pandemic.

Justin Massing, Ph.D.

Justin Massing joined Dow as an Associate Research Scientist in May 2022. He is a member of the Process Chemistry group in Engineering and Process Science within Core R&D. In this role, he is focused on process optimization and scale-up of materials to support the Dow businesses. Prior to Dow, Justin was an Assistant Professor at the University of Michigan–Flint. In addition to teaching various lecture and laboratory courses, Justin maintained a research program aimed at creating reaction-based probes for monitoring biologically relevant species via ^{19}F nuclear magnetic resonance and fluorescence spectroscopy. While at UM–Flint, Justin also served as the Advising and Retention Implementation Committee co-chair, Department of Chemistry and Biochemistry Safety Committee chair, and was a member of various other college committees, including those involving allocation of scholarships, grants, and awards.
Justin obtained his B.S from Florida Southern College in 2008, his Ph.D. from the University of New Hampshire in 2013, and conducted postdoctoral research at Northwestern University from 2013–2016. Justin lives in Midland with his wife Jordan and their three cats. In his free time, Justin enjoys traveling, cooking, running, and playing games.

Secretary: The Secretary records the proceedings of the Section and its Executive Committee, maintains a list of members and associates, sends to members and associates such notices as the business of the Section may require, and carries out all other duties outlined in the SOCIETY and Section bylaws.

Candidates for Secretary

Allison Abdilla, Ph.D.

Senior Research Specialist
DPS PD, Rotational Assignment Program (RAP)
The Dow Chemical Company

Allison joined Dow on RAP in June 2022. Currently on her first assignment, Allison is working on the Hybrids Polymers & Silanes team supporting the Sustainable Silicones and Custom Synthesis portfolios. Allison is also an active member of the Young Researchers Community (YRC), the RISE Employee Resource Group steering team, and the 2023 Si symposium planning committee within Dow.

Allison received her Ph.D. in Chemistry in 2022 from the University of California, Santa Barbara, under the joint advisement of Professor Craig Hawker and Professor Javier Read de Alaniz, focusing on the synthesis of chain-end functional materials through living anionic polymerization. She also actively contributed to the Dow-UCSB UPI titled 'Phase Behavior Fundamentals of Silicone Organic Hybrid Materials' focused on the synthesis, characterization, and application of siloxane- and (meth)acrylate-based polymer blend compatibilizers. Outside of her research, Allison was the Co-President of the Chemistry Professional Development team and lead a team of 25+ graduate students to organize the annual UCSB Chemistry Career Day for over 130 participants and 33 industrial representatives. In her spare time, Allison enjoys exploring new food spots, dancing, and spending time with her senior cat Mia.

Krishnaja Duvvuri, Ph.D.

Senior Research Specialist
Dow Performance Silicones-Product Development

Krishnaja is a Senior Research Specialist in Dow Performance Silicones-Product Development R&D. She joined Dow on the Research Assignments Program (RAP) in February 2020. During her first two rotations, she worked on process development and scale up routes for next generation polyolefin catalysts and at the intersection of synthesis and material characterization to develop novel siloxane resins for insulation applications. On her final rotation, she worked on data visualization and analytics in the Information Research organization. In early 2022, Krishnaja rejoined the Resins, Coatings, and Adhesives group within DPS Product Development where she continues to work on development of novel siloxane resins. Outside her research activities, she is actively involved in the Young

Researcher's Community (YRC), Midland within Dow, and is the co-chair for the 2022 YRC steering team. She is also the secretary of ACS Midland Section for 2022.

Krishnaja received her Ph.D. in Chemistry in 2018 from The Ohio State University where she worked with Professor T.V. RajanBabu on transition metal catalyzed enantioselective hydrofunctionalization of alkenes. Upon completing her Ph.D., Krishnaja worked as a Process Engineer at Intel Corporation for a year, where she worked on developing and optimizing plasma etch process technology as well as process support for dry etch manufacturing process. During graduate school, Krishnaja was active in STEM outreach activities, including being a chemistry instructor for a summer camp for girls entering high school, "*Science, it's a Girl's Thing*" and hosting middle school students at the Ohio State University's "Breakfast of Science Champions" outreach program.

Nominations and Elections Chair: The Nominations and Elections Committee is charged with identifying qualified candidates for leadership positions in the Section.

Candidates for N&E Committee Chair

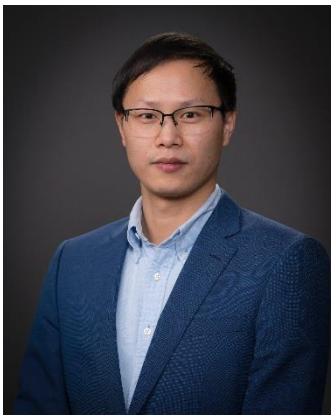
Raghida "Reggie" Bou Zerdan, Ph.D.

Associate Research Scientist
Dow Performance Silicones – Product Development
Leadership roles:
• Committee Member, Nominations & Elections Committee, Midland ACS, 2022
• Event Coordinator, Si-Academy at Dow, 2021 – present
• Poster Session Director, Young Researchers Community at Dow, 2020 – present

Raghida "Reggie" Bou Zerdan is currently an Associate Research Scientist in Dow Performance Silicones – Emulsions, Blends, Powders – Product Development group. In this role, Reggie is working on addressing the market needs from end-use industries for energy efficiency and substrate protection by developing sprayable water-based coatings for high temperature insulation and for condensation service. In addition, Reggie is supporting the development of an environmentally friendly slip additive for leather coatings that is currently entering the final commercialization stages.

Prior to joining Dow in 2019, Reggie was a postdoctoral fellow at the University of California Santa Barbara. There, she worked with industrial collaborators to develop polymeric additives for various applications such as triple function car-engine lubricants, dispersants, and antiscalants. Reggie holds a Ph.D. in Organic Chemistry from the University of Florida focused on the development of "smart" π-conjugated oligomers capable of mutually controlling the supramolecular architecture and tuning the optoelectronic properties in solution and solid-state of functional organic semi-conductive materials.

Binbin Luo, Ph.D.



Binbin Luo joined Dow Chemical Product Development, Resins, Coatings, and Adhesives group in July 2020 as a Senior Research Specialist. His background is in materials science and engineering, particularly focused on colloidal and interfacial science. His current research activities involve fundamental understanding of interfacial interactions between silicone pressure-sensitive adhesives (PSAs) and substrates, and establishment of composition–property relationship towards next-generation PSA development. Binbin has co-authored threee patent applications and over 17 journal articles.

Binbin received his B.S. in Material Chemistry from the University of Science and Technology of China in 2015 and his Ph.D. in Materials Science and Engineering from the University of Illinois at Urbana-Champaign in 2020. During his Ph.D., he used state-of-the-art direct imaging tools of liquid-phase transmission electron microscopy to study previously inaccessible solution dynamics at the nanoscale, such as self-assembly, deposition, corrosion, etc. In his spare time, he enjoys all kinds of fun: Hiking, biking, fishing, traveling, photography, etc.
Binbin Luo | LinkedIn

Kelli Ogawa, Ph.D.

Education:

B.S. in Chemistry, University of Hawaii, 2009

Ph.D. in Organic Chemistry, University of Washington, 2015

Professional Experience:
Senior Chemist, Dow, 2016 – 2018
Associate Research Scientist, Dow, 2018 – 2022
Research Scientist, Dow, 2022 – present

Biography: Kelli Ogawa earned her B.S. in Chemistry from the University of Hawaii in 2009 and her Ph.D. in Organic Chemistry from the University of Washington in 2015. Her work at UW focused on developing new organocatalyzed methods for small molecule and polymer synthesis. In 2015, she joined the Phillips group at Penn State University as a postdoctoral researcher, where she focused on designing and synthesizing novel depolymerizable polymers and stimuli-responsive materials.

In 2016, Kelli joined the Engineering and Process Science organization in Core R&D at Dow. During her time at Dow, she has worked on and led projects with a strong focus on process development, scale up, and sustainability in a diverse set of application spaces including packaging, elastomers, rheology modifiers, and cement-based tile adhesives. She is currently leading multiple efforts in the cellulosic space to support innovation across multiple businesses at Dow.

In her spare time, she enjoys reading, baking, and spending time with her husband and two kids.

Director: Directors are expected to attend Board meetings and to participate in the Board's deliberations. Directors should maintain an interest in local and national ACS affairs so that they can give informed consideration to the Section's issues. They should be alert to the needs and opinions of the Section membership. Three Directors must be elected the Executive Committee, which may require attendance at additional meetings.

Candidates for Director

Hyder Aliyar, Ph.D.

Hyder works as a Lead Scientist in the Medical Silicones group at DuPont in Midland. He focuses to investigate and evaluate polymer technologies towards product development primarily on drug delivery via skin. He has a Ph.D. in Polymer Science from University of Madras, India. He has gained research and product development experience on polymeric materials for medical or pharmaceutical applications via working in research institutes, universities, and industries, both in Japan and US over the last 20 years. Beyond research, he likes teaching and mentoring, especially communicating technical material to non-technical audiences, which he improved with the experience from his association with Toastmasters International for about 10 years. He was at Dow Corning and subsequently at Dow prior to DuPont. He has been a member of ACS since 2003.

Dan Dermody, Ph.D.

Dan Dermody joined Dow in 2000 and is now part of the Formulation, Automation, and Material Science (FAMS) group within Core R&D where he is a Research Fellow. Dan's efforts are currently focused on hybrid modeling and post-consumer recycle cleaning/sustainable chemistry development. He has been fortunate to work in various project and application areas across Dow including high throughput research and workflow development, colloid and interfacial chemistries for consumer solutions, as well as formulation development for 3d printing, and display technologies. Dan has co-authored 10 patents, 19 patent applications, and 16 journal articles, including a book chapter on high temperature dispersions. Dan regularly mentors younger researchers across Dow as well as assists in mentoring and community outreach activities through Dow and ACS. Dan graduated with a B.S. in Chemistry from Weber State University in 1992, a Ph.D. in Chemistry from Texas A&M University in 1998, and acted as a post-doc at Pennsylvania State University until 2000.

Wendell L. Dilling, Ph.D.

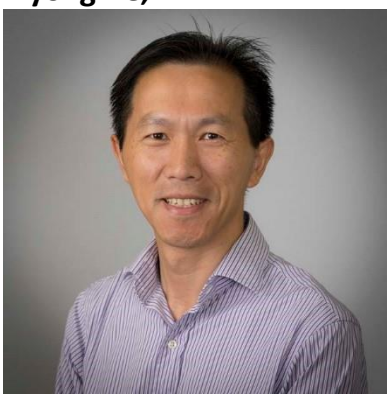
Professional Experience: Organic chemist in The Dow Chemical Company, 1962-1992 (Special Assignments Program, 1962-1964; E. C. Britton Research Laboratory, 1964-1974; Environmental Sciences Research Laboratory, 1974-1985; Organic Specialties Laboratory – Central Research, 1986-1992); Central Michigan University, Department of Chemistry, 1992-present.

Education: B.A., Chemistry, Manchester College, 1958; Ph.D., Organic Chemistry, Purdue University, 1962.

ACS Activities: Joined in 1959. Midland Section: Historian-Chair, 1997-present; Section Chairman, 2000; Councilor, 1976-1996; Central Regional Meeting Committee General Chairman, 1976-1982; Fall Scientific Meeting General Chair, 1978, 2006; 114 other officer and committee-years, 19 other chairmanship-years; National and Central Region: Publications Committee, 1977-1984; 83 other committee-years, 12 chairmanship-years.

Other Information: 64 publications, 256 lectures, seminars, and papers presented at local, regional, national, and international meetings. Midland Chapter Sigma Xi Award, 1974; Midland Section Award for Outstanding Achievement and Promotion of the Chemical Sciences, 1982; Midland Section Award for Outstanding Service to the ACS, 1992; ACS Fellow, 2010; Midland Section Award for Outstanding Science Education Volunteer, 2018.

Yiyong He, Ph.D.



Yiyong He is currently a Principal Scientist in Core Analytical Sciences and the lead of global NMR technology of DuPont. Prior to joining DuPont in 2018, Yiyong worked in the core R&D of Dow Chemical Company for 11 years. He has a broad background in polymer science and technical expertise in Analytical. He earned his BS (1997) and MS (2000) in Materials Science from the University of Science and Technology of China. Then he moved to US and obtained his Ph.D. in Chemistry from the University of Wisconsin-Madison in 2005. He had two years of postdoc experience in the University of Minnesota before starting his industrial career in 2007. Yiyong has several dozen journal publications and patent applications. He received the Dow Technology Center Award (2015), R&D 100 Award finalist (Dow, 2016), Big Innovation Award (Dow, 2017), Excellence in Science Award of Analytical (DuPont, 2021), and Collaboration Award of Analytical (DuPont, 2021). He has been a member of ACS since 2003, has had oral and poster presentations at both national ACS meeting and Midland local section meeting, presided oral presentation sessions, helped DuPont recruiting and DE&I workshop during ACS national meetings.

Personal statement: I am honored to be a candidate for local ACS position. I benefited from ACS and my entire industrial career is in Midland, now it is the time for me to give back. I look forwards to an opportunity to serve the Midland ACS community.

Wenyi Huang, Ph.D.

Dr. Wenyi Huang is a principal research scientist at DuPont. He is a Certified Six Sigma Black Belt and a trained Six Sigma Master Black Belt specialized in DFSS. He received his Ph.D. degree from Department of Polymer Engineering at The University of Akron and completed his postdoctoral researche at The Ohio State University before joining Dow in 2012. In 2018, Wenyi made the transition from Dow Materials Science & Engineering Core R&D to Dupont Performance Building Solutions Business due to the DowDuPont merger/split. His expertise includes reactive extrusion and specialty compounding, breathable membrane technology, die design, microcapillary technology, functional materials, and nanotechnology. He is an author of over 100 granted/published patents and 55 external publications including 11 book chapters and an edited book entitled "Nanopapers: From Nanochemistry and Nanomanufacturing to Advanced Applications". He also serves as an Advisory Board Member for Cambridge Scholars Publishing and reviews for 21 peer-reviewed journals.

Wenyi has served as Board of Director (2020-current), Past Chair (2019), Chair (2018), Chair-elect (2017), Nominations & Elections Chair (2016), and Secretary (2015) of the Midland Section of the American Chemical Society. Internally, Wenyi is the founder and Chair of DuPont Polymer Processing Community of Practice. He has also been leading as the co-founder and treasurer of DuPont Michigan Technical Community (MTC) and DuPont Asian Group (DPAG), ACS @DuPont, the Chair for Dow Young Researcher's Community (YRC) in 2017, and the President for Dow Materials Science & Engineering New Researchers' Organization in 2016. Wenyi is looking forward to the opportunity of contributing to the ACS Midland Section as the Board of Director position by leveraging his extensive experiences in professional societies to promote the growth of professional chemical engineers and help them prosper amid the changes of chemical industry. He really loves our profession and the broad impact we chemists have on improving the quality of life. No profession has greater impact than chemistry on health, food, water, energy, environment, and so much more.

Krishna Janmanchi, Ph.D.

Background:

I am a Research Chemist with strong work ethic and collaborative mind set, self-motivated and ability to reorient myself to new challenges very quickly. I feel I bring a strong work ethic and a collaborative mind set to the scientific community.

2019-present: Research Scientist, Dow
2014-2019: Associate Research Scientist, Dow
2010-2014: Associate Research Specialist, Dow
2007-2010: Scientist, Gas Reaction Technologies, Santa Barbara, CA
2005-2007: Postdoctoral Researcher – University of Florida
2001-2005: Postdoctoral Researcher – Humboldt University, Berlin, Germany
2001: Ph.D. in Chemistry, Indian Institute of Chemical Technology, Hyderabad, India

Leadership Experience:

- Oral Presentation Chair of for ACS Fall Scientific Meeting, Midland MI, 2019

- Treasurer, Michigan Chapter of the North American Catalysis Society, 2019-20
- Vice President, Michigan Chapter of the North American Catalysis Society, 2020-21
- President, Michigan Chapter of the North American Catalysis Society, 2021-22
- Oral Presentation Session Chair, North American Catalysis Meeting, Chicago – 2022
- Regular reviewer for the North American Catalysis Meeting abstracts

E-mail: k.janmanchi@dow.com

Steven E. Keinath, Ph.D.

Professional Experience:
37 years career experience, all with the Michigan Molecular Institute (MMI), Midland, MI. Retired in 2015 from the position, Senior Research Scientist and Program Manager. Currently active in non-profit organization leadership, technical editing, and community service volunteer roles.

Education:
B.S., Chemistry and Physics, Saginaw Valley State College, 1976; M.S., Polymer Science, University of Massachusetts, 1978; M.B.A., General Business, Saginaw Valley State College, 1981; M.A., Education, Central Michigan University, 1985; Ph.D., Chemistry, Michigan Technological University, 1992.

ACS Activities:
Joined 1977; Co-editor, Midland Chemist, 1984-85, 2010-22; Editor, Midland Chemist, 1986-87; Printing Chairman, 22nd ACS Central Regional Meeting, 1987-90; Co-chairman, Awards Committee, 1992; Member, Awards Committee, 2003-19; Alternate Councilor, 1993-98, 2002-04, 2017-19; Member, Nominations and Elections Committee, 1994-97; Chairman, Nominations and Elections Committee, 1999-2001; Member, Auditing Committee, 1995, 1998; Director, 2005-22; Member, Executive Committee, 2007, 2010, 2012-15, 2020, 2022; Member, Technical Society Interface Committee, 2010-13; Midland Section Webmaster Liaison, 2010-12; Member, Strategic Planning Committee, 2015; Member, Midland Section ACS 100th Anniversary Planning Committee, 2015-19.

Other Information:
Session Moderator/Symposium Chair at Midland Section hosted meetings: Fall Scientific Meetings, 1996-97, 2007-08. Papers/posters presented at Midland Section hosted meetings: Fall Scientific Meetings, 1975, 1984, 1986, 1989-90, 2000, 2003-05, 2007-12, 2014-15; 22nd ACS Central Regional Meeting, 1990; 44th ACS Central Regional Meeting, 2013; Authors'/Awards Night, 1991. MMI Program Coordinator, Turner Alfrey Visiting Professor (TAVP) lecture series, 1999-2014.

Personal Statement:
I'm proud of the activities and achievements of the Midland Section ACS and have been actively engaged in a number of ACS officer and committee roles over many years. My feeling is that I can continue to contribute to the future greater good of the local section and would be pleased to continue to serve if elected.

Angelar Muthike, Ph.D.

Angelar Muthike is an analytical chemist focusing on optical laser spectroscopy. Since joining Dow in March 2022, Angelar has joined project teams to develop, enhance and revive optical tools for various analytical studies. She is mainly developing spectroscopic analytical methodologies for applications in post-consumer recycling efforts, to understand the chemistry of filled systems, and improvement of building and construction materials.

While she is originally from Kenya, Angelar received her B.Sc. in Chemistry from Spelman College in Atlanta, Georgia, in 2017. She then obtained her Ph.D. in Analytical Chemistry from the University of Michigan in Ann Arbor, Michigan, in 2022. Her dissertation focused on using time-resolved and nonlinear optical spectroscopy to understand the structure-function relationships that affect the charge and energy transfer mechanisms of optoelectronic systems. She has published her work in various journals and presented in different conferences. More information can be found in her LinkedIn profile.

While at the University of Michigan, Angelar served as a member of the Dean of Students Advisory Board, Vice President of the Graduate Rackham International (GRIN) - where she previously chaired the DE&I committee, served in the organizing committee of the Karle Symposium, mentored undergraduate students in the STEM fields, among others.

Recently, Angelar started a program that mentors high school students in Kenya and helps them apply for colleges in the Unites States. She is also an active member of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) as well as the ACS-Midland D&I committee.

Nisaraporn (Eve) Suthiwangcharoen, Ph.D.

Background: I am a chemist by training with a passion for mentorship to help others achieve their best. I am currently an R&D Leader at Dow and serving as a hair care technical focal point. I am interested in science and helping others to succeed – not only on an individual level but also to the community and society in general. I believe that Diversity and Inclusion are key to improving communities, including the workplace. I would like to use sciences and food to bridge the gaps between people with different backgrounds.

- 2022-present: R&D Leader, Dow (player-coach role)
- 2021-2022: Research Scientist, Dow
- 2018-2021: Associate Research Chemist, Dow
- 2014-2018: Sr. Chemist, Dow
- 2012-2014: Postdoctoral Researcher – US Army Natick Soldier R&D Engineering Center, MA
- 2007-2011: Ph.D. in Chemistry, University of South Carolina, Columbia, SC

Leadership Experience:

- Outreach/Mentorship
    - Co-Chair of for ACS Fall Scientific Meeting in MI, 2018

- Registration Chair for ACS Fall Scientific Meeting in MI, 2017
- Dow Asian Diversity Network Committee member of Midland Chapter, 2021-present
  - Led the organization of 2021 Cultural Day
  - Currently serving as a cultural acumen leader to educate people about cultural differences and how to celebrate those differences, bring people together and foster cooperation among a collection of unique perspectives.
- Mentoring an undergraduate student through the Dow SURE program; 2 technologists and 3 scientists

- Project leader - Led project teams with cross-functional teams to develop innovative concepts into commercial products. Successfully launched 'HydroxySHIELD™ Polymer' and 'UCARE™ Extreme Polymer' (2022 Big Innovation Award Winner and 2021 ICIS Innovation Awards Finalist); DOWSIL™ 979 Emulsion.
- People leader – Currently leading a group of 6 chemists and technologists in 2 locations in North America. Engaging in translating discoveries to commercially viable personal care products.

Call for Abstracts for ACS Spring 2023 National Meeting & Exposition

Steve Keinath, Co-Editor, The Midland Chemist

ACS Spring 2023 invites researchers from around the globe to submit an abstract for oral and poster presentations by Monday, October 17, 2022. The meeting theme, *Crossroads of Chemistry,* will be at the core of programming.

Sessions for the hybrid meeting will be held in Indianapolis, in-person and virtually, from March 26-30, 2023. Those who wish to submit an abstract can select their choice for a virtual or in-person presentation during abstract submission.

Visit the ACS Spring 2023 website to find a list of the programming divisions and planned symposia open for submissions. **The deadline to submit an abstract is October 17, 2022.**

National ACS President Helps Re-open "A Century of Science and Service" at CMU

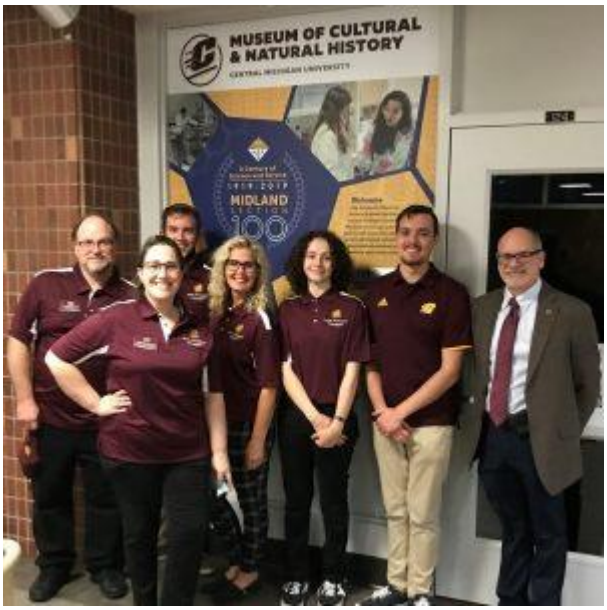
Gina Malczewski, Director and Outreach Committee, Midland Section ACS

On September 22, Dr. Angela K. Wilson of Michigan State University and National ACS president, visited the Midland Section in large part to assist with the re-opening of our centennial exhibit, first shown at the Midland Doan Center and now featured at Rowe Hall on the Central Michigan University campus.

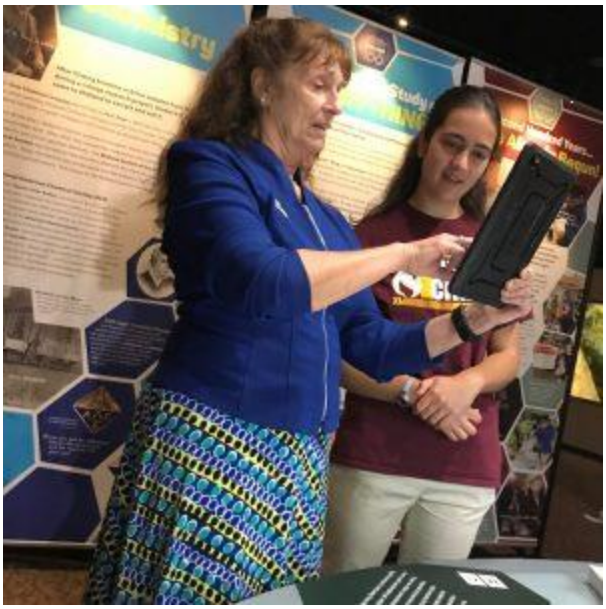
The day began with a seminar by Dr. Wilson ("Everything but the Kitchen Sink") about the utility of computational modeling for many applications—attended virtually and in-person at the CMU Bioscience building. After lunch and a visit with faculty, she and Dr. Tom Lane (2009 National ACS president from Midland) participated in a student Q&A session ("Pathways to Success in School and Careers") in the Chemistry Building. A light informal dinner that included Dr. Elizabeth Sanford (Chemistry Department Chair at Hope College), Dr. Gina Malczewski, Dr. Tom Lane, Dr. Jay Martin of CMU's Museum Studies program, and Dean Richard Rothaus of the College of Liberal Arts and Social Sciences was followed by remarks by Dr. Jay Martin (CMU Museum Studies), new CMU Provost Nancy Mathews, Dr. Gina Malczewski and Dr. Wilson, prior to the official opening of the exhibit to the public. There was also a reception for the public 5:30-6:30pm at Rowe Hall to celebrate the opening.

All events were well-attended (over 250 at the reception!) and response to the exhibit was overwhelmingly positive. We are very grateful for Dr. Wilson's willingness to make this event special, to the CMU Museum Studies Group for their dedication to the exhibit over the last 30 months, and also to the CMU Chemistry Department for their assistance with the day's activities.

"The Periodic Table of Members" at the newly re-opened Centennial exhibit at CMU. Photo: Dave Stickles



Dr. Jay Martin (R) and some of the Museum Studies Personnel that worked so hard to host the exhibit at Rowe Hall. Photo: Dave Stickles



Gina Malczewski shows an attendee the Augmented Reality Activity for one of the exhibit's featured polymer subunits. Photo: Dave Stickles

FAQ Sheet About the Updated Midland Section ACS Centennial Exhibit at CMU

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

"A Century of Science and Service," Rowe Hall, Central Michigan University, September 2022

1. **What is the Midland Section American Chemical Society (ACS) exhibit all about?**

   The exhibit discusses the history of the Midland Section of the ACS, founded in 1919, and the relationship between the local section needs and activities and the growth of our Mid-Michigan communities. Also celebrated are the outstanding Midland Section ACS members and the Section's contributions to education at local colleges and universities, as well as chemistry awareness across all age levels in our area. Important inventions by ACS members and their global contributions are also highlighted.

2. **What target audience is the exhibit designed for?**

   The exhibit was designed with the general public in mind, to inform as well as to commemorate. Chemists can look up friends and colleagues on the Periodic Table of Elemental Members, but there are also videos of ACS outreach, a presentation on ethics and the breast implant controversy, as well as interactive augmented reality (AR) displays of important molecules, several interesting artifacts, and puzzles for kids to solve.

3. **Is the exhibit FREE?**

   Yes, for unguided visits. Groups are asked to make a small donation. Contact the CMU Museum at 989-774-7165 for more information.

4. **If I saw the centennial exhibit in 2019, is there anything new or different?**

   Yes, there is updated material in the exhibit, the AR experience is new, and there will be rotating displays along the outer perimeter of the museum space, as well as program events in the adjacent space.

5. **Where exactly is the exhibit located and when is it open? How long will it be there?**

   The exhibit is located in Room 124 of Rowe Hall (650 East Bellows Street) on the campus of CMU in Mount Pleasant, MI. It is open from 8:00 AM to 5:00 PM weekdays, or by appointment. The CMU Museum office can be reached at 989-774-3829. Current plans are for the centennial exhibit to stay in place at this location for at least two years.

6. **Will there be any special events or educational programs at the exhibit?**

   Yes, school group tours (or senior tours) can be arranged by contacting Rebecca Petrone at 989-774-3176 or via email at galla1ra@cmich.edu. Alternatively, you can fill out a program request form here: Century of Science: Program Request Form.

   The grand re-opening of the exhibit will be on September 22, 2022, and there will be periodic programming in the adjacent space for Halloween/National Chemistry Week and other events in the near term. Please check the Midland ACS centennial website at www.midlandacs100.org, the main Midland Section ACS website at www.midlandacs.org, and the Midland Section ACS and CMU Museum Facebook pages for updates. You can also sign up to receive a free digital subscription to the Midland Section ACS monthly newsletter, *The Midland Chemist*, on the local section's main homepage.

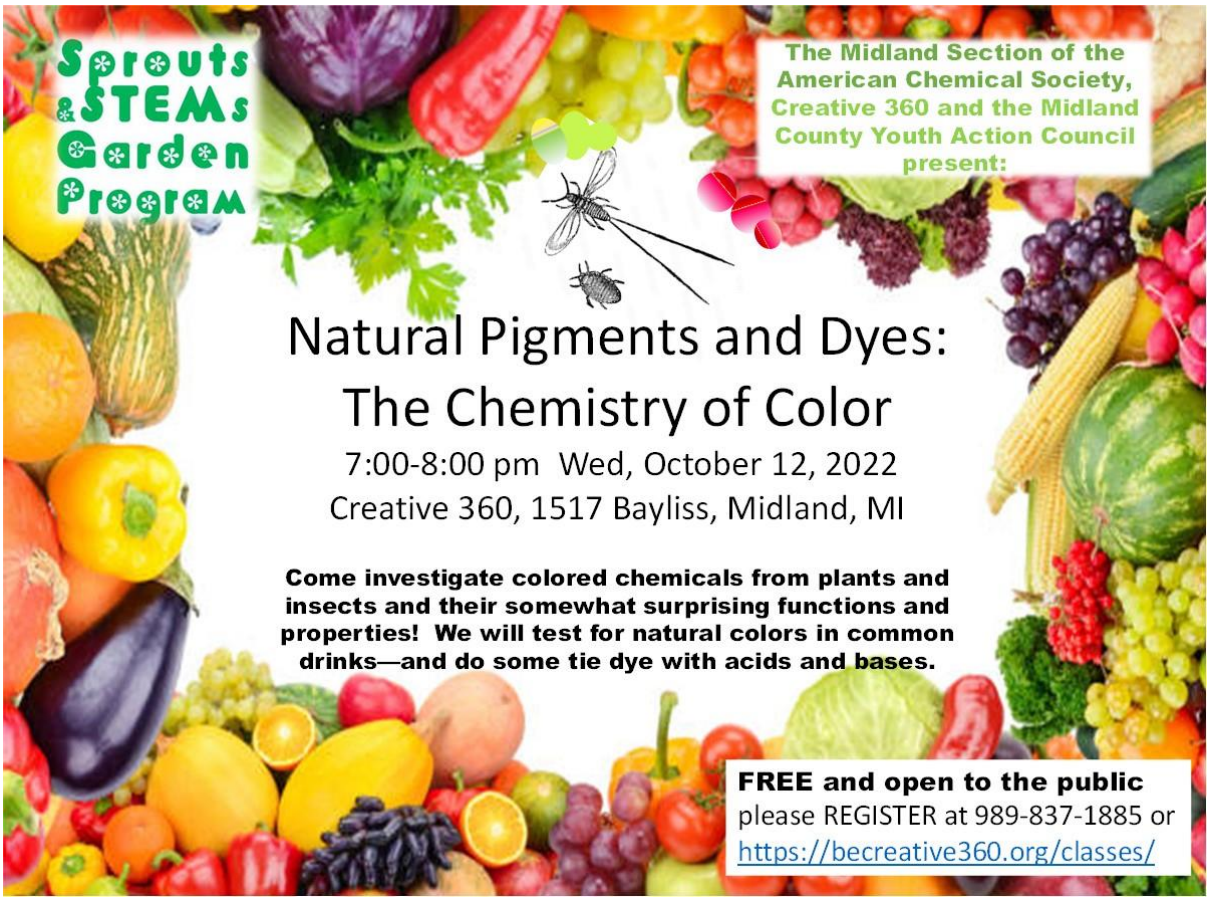
7. **Who is responsible for the exhibit? What if I have questions?**

   The centennial exhibit was designed by John Metcalf of Good Design LLC. Content was developed by members of the Midland Section ACS who partnered with the CMU Museum Studies Program. Generous funding was provided by the Herbert H. and Grace A. Dow Foundation, the Rollin M. Gerstacker Foundation, the Midland Section of the ACS, the Charles J. Strosacker Foundation, and National ACS Corporate Associates. We also acknowledge the renovation efforts funded by CMU that allowed us to accommodate the exhibit at Rowe Hall.

   If you have any questions, please direct them to Gina Malczewski (regainmalczewski@gmail.com) and/or to Dr. Jay Martin (marti6jc@cmich.edu).

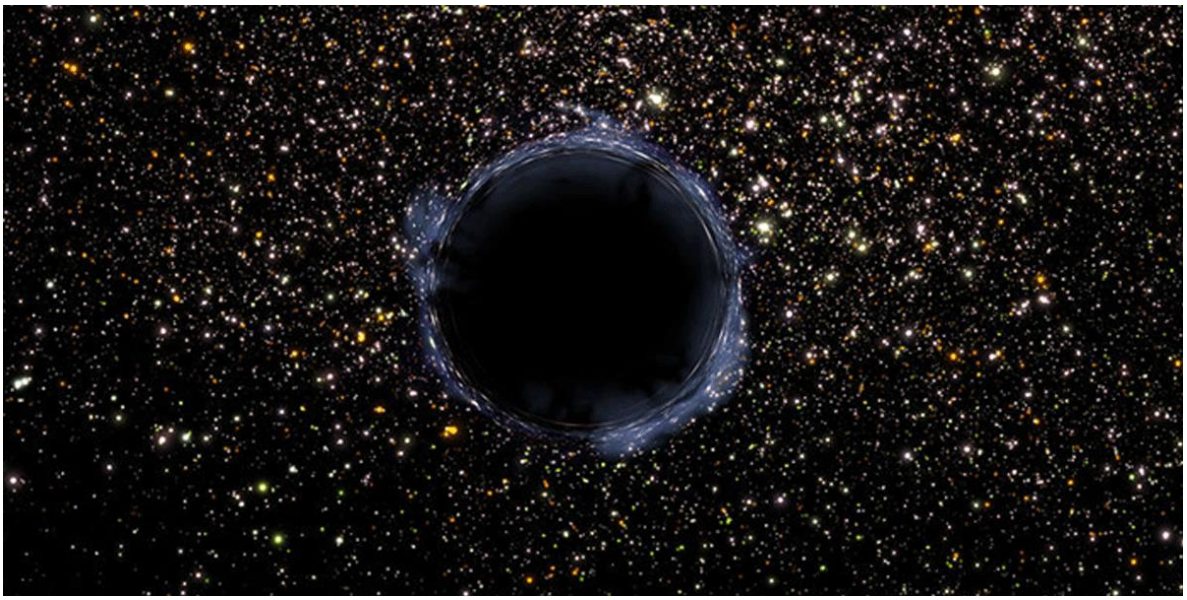
Sprouts & STEMs Garden Program - Natural Pigments and Dyes: The Chemistry of Color, October 12

Gina Malczewski, Director and Outreach Committee, Midland Section ACS



MSU St. Andrews Family Astronomy Night, October 12
Clare Light, Project/Event Coordinator, MSU St. Andrews

FREE Virtual Family Astronomy Night, Wednesday, October 12, 2022, 7:00 PM – 8:30 PM



Black Holes and Supernovae: What's Left When the Largest Stars Die
plus: saving the Earth from asteroids!

Free event! Please register below to receive the Zoom login. You may register up to the presentation start time or even during the meeting to join us.

https://msu.zoom.us/webinar/register/WN_tczUNB1ARjW8z3OkStQvyw

Time is allowed for live Q & A throughout the event. ASL Interpretation is also featured during the event.

Please see https://standrews.msu.edu/family-astronomy-night/ for more information about these ongoing monthly programs and to access prior archived presentations.

Women Chemists of Color NCW Networking Webinar Event, October 21
Submitted by Michelle Cummings, Midland Section ACS

The ACS Women Chemists Committee continues its 95th anniversary celebration during National Chemistry Week 2022. Please JOIN US for the webinar: **"Women Chemists of Color National Chemistry Week Networking Event" on Friday, October 21 from 3:00-4:00 p.m. ET**.

A special panel of renown women chemists will lead discussions on exploring and implementing self-care strategies as women of color in chemistry; being your authentic self in your professional life; and building your army for the battle between cultural expectations and career advancement. Come connect with your peers in the chemical enterprise, hear inspiring stories, and exchange information.

We hope to see you there! Register NOW.

The event webinar flyer above includes a QR code for registering. Please send any questions you may have to wcc@acs.org.

Pumpkin Party at Creative 360, October 26

Gina Malczewski, Director and Outreach Committee, Midland Section AC

Link to register: https://becreative360.org/classes/

Frankenstein Friday at CMU, October 28

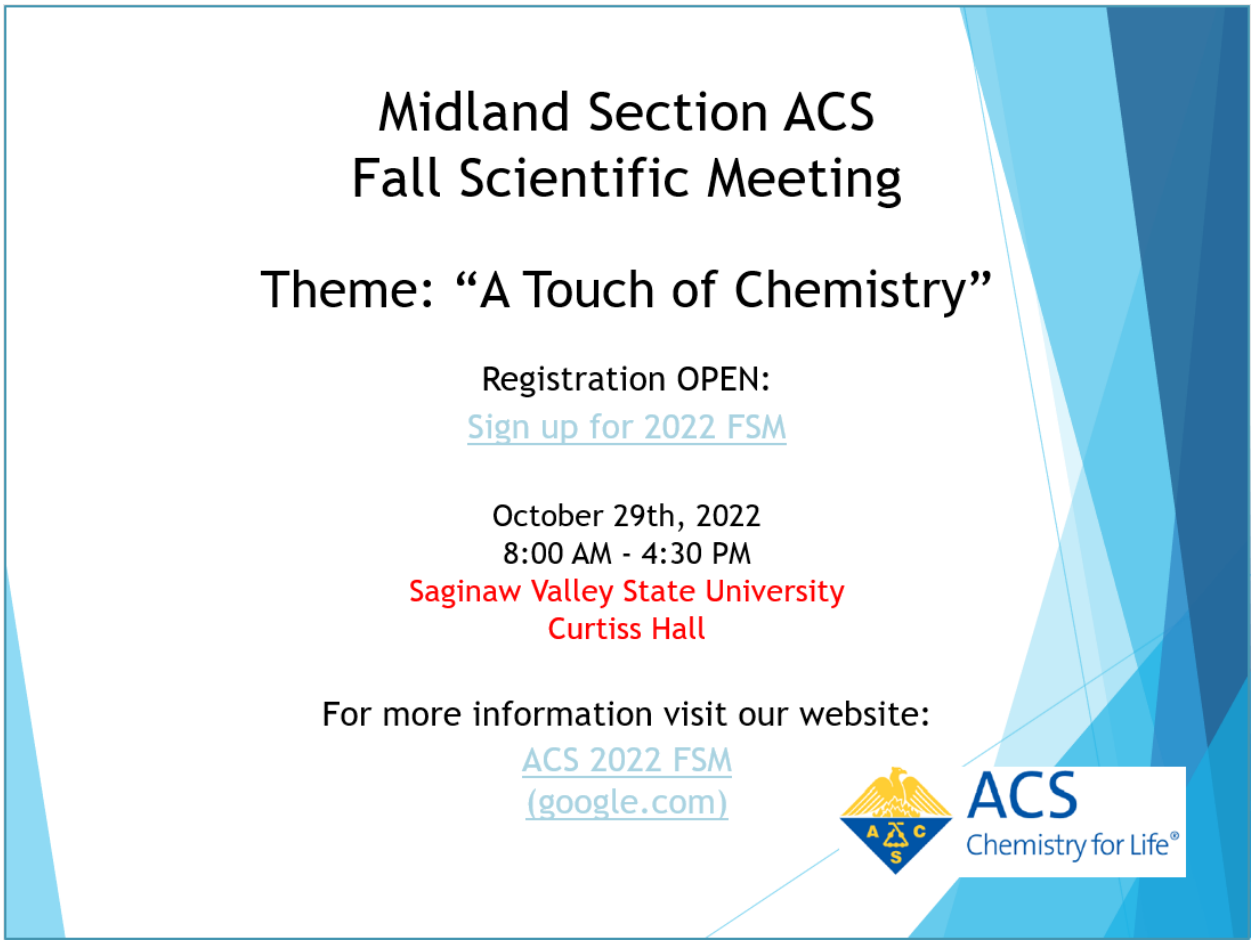
Gina Malczewski, Director and Outreach Committee, Midland Section ACS

2022 Midland Section ACS Fall Scientific Meeting, October 29

Hari Katepalli, FSM Chair, and Regan Streeter, Communications Chair, 2022 Midland Section ACS Fall Scientific Meeting

The 2022 ACS Fall Scientific Meeting will be held on Saturday, October 29, 8:00 AM to 4:30 PM, in Curtiss Hall on the campus of Saginaw Valley State University.

Please see the flyer below for more information. Pre-registration to attend the 2022 ACS FSM is requested to assist with meeting planning. Just click the following link (2022 ACS FSM) to register to attend, and visit the website at ACS 2022 FSM (google.com). For any questions, please contact the 2022 ACS FSM General Chair Hari Katepalli at hkatepalli@dow.com or fsm@midlandacs.org.



Midland ACS at the Halloween Bash Celebrating NCW, October 29

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

Link to additional information: https://www.midlandcenter.org/museums/museum-events/

GGPF Virtual Short Course "Polymers for Medical Applications", November 2 & 4

Hunter Woodward, Midland Section ACS Chair-elect, and Clayton Henderson, for GGPF

The SF Bay Area organization the **Golden Gate Polymer Forum** is sponsoring a two-day virtual short course on November 2 and 4 (Wednesday and Friday): **Polymers for Medical Applications**.

A wide range of polymeric chemical systems are covered in an overview of how the different systems are used for different applications, from drug delivery to devices. Full details can be found on the GGPF web page, **www.GGPF.org** (click on the event from the main page).

Polymers For Medical Applications

A two-day overview of polymeric families and how they are used to treat and diagnose disease

Presented by

Dr. Subbu Venkatraman

Innovations Manager,

UC San Diego

and until recently

Director, Industrial Liaison Office,

National University of Singapore (NUS) &

Adjunct Professor, Materials Science & Engineering NUS

Course Overview

Polymers are increasingly finding use in medicine. Natural, synthetic, and biomimetic polymeric materials will be discussed in the context of the key role they play in advancing medical device technologies. Applications where polymers play a key role include (but are not limited to) biosensing, tissue replacement/repair, drug delivery through the oral and transdermal routes, gene delivery using nanoparticles, and Covid-19 vaccines

This two-day virtual course will address the breadth of different polymeric systems in a wide range of usage areas from medicine and drug delivery to medical devices. Attendees will get an overview of how to evaluate the many medical needs that can be addressed by clever use of polymers. Key takeaways from the course should include: an understanding of which medical devices are functionally dependent on the performance attributes of the polymers used; aspects of designing polymers for specific medical applications including device coatings and use of biomimetic polymers; how to evaluate the merits of using synthetic polymers over naturally-derived polymers for implanted devices; and assessing the ability to modify polymers to enable biodegradable and biostable coatings on devices.

Planned Topics

- Introduction to Polymers for Medical Applications; Biocompatibility
- Gels, Crosslinked Systems and Stimuli-responsive Hydrogels
- Drug/Protein/Gene Delivery; Nanostructured Polymers
- Natural Polymers and Biomimetic Polymers

- Biodegradable Polymers
- Tissue Engineering Scaffolds and Device Coatings

Instructor Background

Dr. Subbu Venkatraman has a PhD in Polymer Chemistry from Carnegie-Mellon University.

Dr. Venkatraman spent about 15 years in materials and biomedical R&D in the USA, working with various applications of polymeric materials, before joining the Nanya Technological University (NTU) in Singapore as an Associate Professor in 2000. He was instrumental in starting the Biomaterials effort at NTU and developing the paradigm of research driven by medical needs. He served as Associate Chair for Research for 6 years, before taking over as Chair in 2011. Under his watch the School's worldwide ranking jumped 41 places to #3 as per the QS rankings, and #1 as per the US News & World Report rankings.

Dr. Venkatraman has published extensively in the field of biomaterials, with a total of 270 publications, with an H-index of 47 and a citation count of 10,000. He also holds 70 patents from a total of 171 applications. His work in biomaterials has led to 3 spin-off companies, with one of them (Amaranth Medical) obtaining substantial series C funding. He has also received the 2014 Singapore President's Technology Award together with Professor Freddy Boey and Adjunct A/P Tina Wong, for their innovative application of nanostructures and novel drug delivery approach to combat blindness from glaucoma. He is also the co-founder of Peregrine Ophthlamic Pte Ltd and Amaranth Medical Pte Ltd.

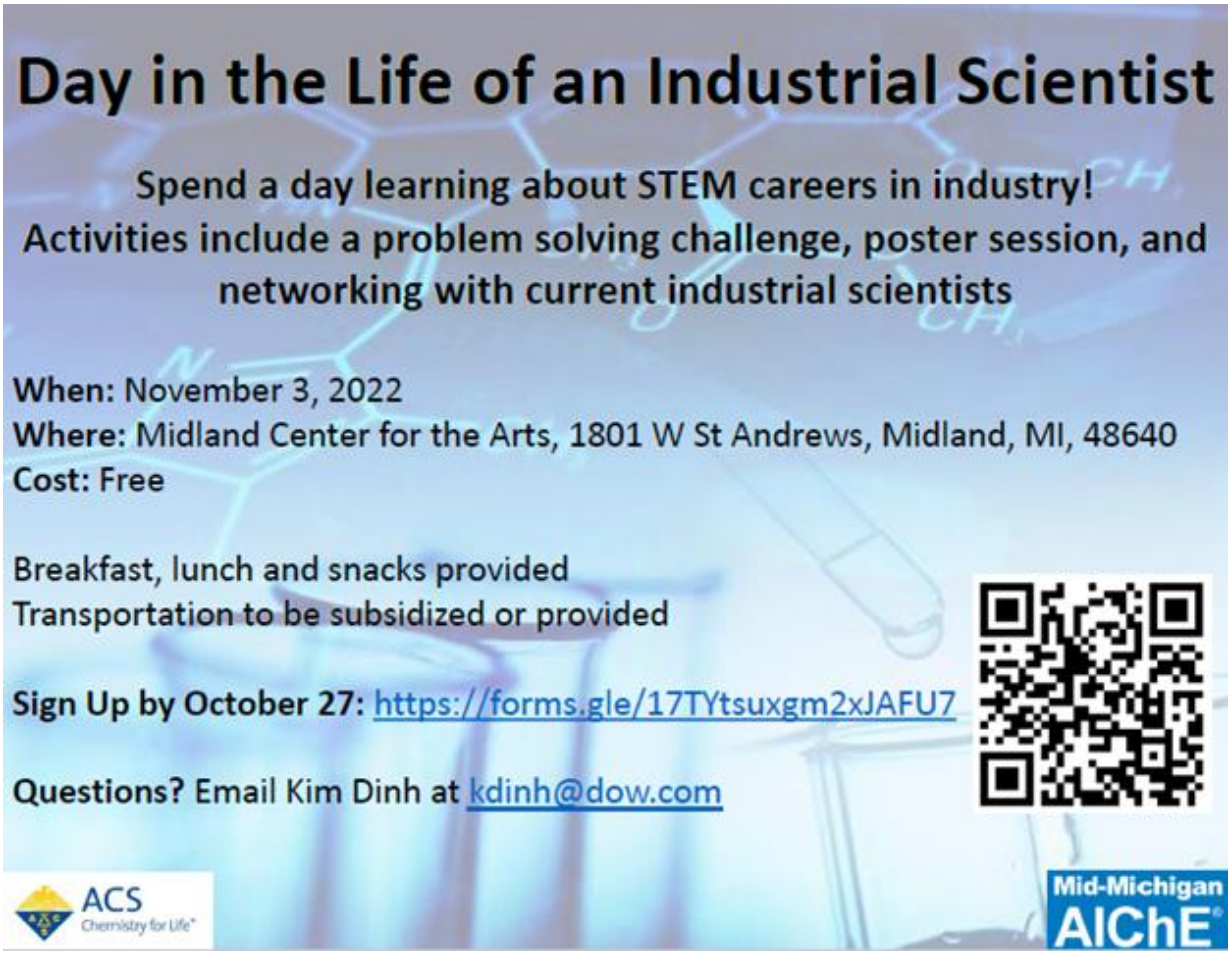
Dr. Venkatraman's National University of Singapore (NUS) research group was most recently interested in designing and modifying materials for biomedical applications, with a focus is on nanotechnological approaches to enhance the efficacy of protein drugs and genes. Today, he is the Innovations Manager for the U.C. San Diego School of Medicine.

Pricing and Deadlines:
$250 - Regular Registration ends Saturday, Oct. 22, 5 PM Pacific time
$300 - Late Registration, if available, ends Sunday, Oct. 30, 5 PM Pacific time

About GGPF
The Golden Gate Polymer Forum (GGPF) is a successful 41-year non-profit educational organization dedicated to the study of polymeric materials and devices. We sponsor well attended monthly polymer forums, and annual symposiums or short courses. The GGPF attracts scientists, engineers, and sales professionals (from start-ups to Fortune 100 companies), as well as academics and students, all of whom are interested in the study of and advancements in polymer science, materials, or engineering. GGPF events, in addition to providing a forum for cutting edge research and industry practices, allow for collaborative networking. The majority of our attendees are from the San Francisco Bay Area and Silicon Valley, yet we attract people from out of state as well as international guests, thanks to our reputation in the industry as a premier and easily affordable educational forum.

If you have interest in macromolecular chemistry, materials, properties, processing, engineering, or applications, you are welcome to join the GGPF email announcements list via the website https://ggpf.org. There is no fee, no requirement for attendance, and you can unsubscribe at any time. GGPF does not share the mail list with any other organization for any reason. In current times, GGPF offers monthly webinars and occasional larger virtual events.

A Day in the Life of an Industrial Scientist, November 3
Submitted by Vennesa Jansma, Midland Section ACS



The Midland ACS Diversity and Inclusion Committee and Mid-Michigan AIChE are hosting an event on November 3rd called 'A Day in the Life of an Industrial Scientist' at the Midland Center for the Arts. During this event we are hosting a group of chemical engineering and chemistry undergraduate students from local colleges to expose them to the type of work industrial research involves. Our aim is to illustrate what a career in R&D may look like and highlight graduate school as a potential career path after college. Additionally, we want to convey the positive impact diverse teams have on problem solving.

As part of the event, there will be a 'Science Challenge' event where the students will be faced with a 'real life' problem to discuss and try to solve. Additionally, we are planning a poster session to highlight the type of research and problems we face at work every day. I am reaching out today to ask for volunteers to participate in the event as mentors for the science challenge and to present in the poster session. *Note that the posters would need to be available for external release to the public*. If you are excited to share your perspective and inspire new members of the STEM community, we would appreciate your participation!

Please sign up at the following link by October 27 : https://forms.gle/ZyrrZDf3BAE3AvSK6

Please Consider the Midland ACS Scholarship Fund in Your 2022 Giving!

Gina Malczewski, Director and Scholarship Committee, Midland Section ACS

Last year in May, **Dr. Wendell and Marcia Dilling** (photo at right) issued a challenge relative to growing the Midland ACS Scholarship Fund. Thus far, over $7,100 has been added to the fund which, with the promised match from the Dillings, will bring the total fund to $79,300. With an additional match of $10,800 from the Dillings and $9,900 from other contributions we can reach our goal of $100,000.

The Midland Section ACS has been proud to offer scholarships to deserving undergraduate students majoring in a chemical science since 2002. Annually, two to four scholarships are awarded to candidates who have graduated from a high school in one of the Section's five counties (Bay, Midland, Saginaw, Isabella, and Gratiot), are studying at a Michigan university, and are ideally intending to pursue a career in some aspect of chemistry or chemical engineering. Selections are made by a committee and are based on academics, service and extracurricular contributions, and an essay on the student's sources of motivation as well as future plans. Past scholarship recipients are often highlighted in issues of the *Midland Chemist*.

Awards usually range from $1,000-2,000, depending on the financial performance of the Midland ACS Scholarship Fund (#399) administered through the Midland Area Community Foundation. A long-standing goal of the Section has been to raise the base amount to $100,000 to serve more students.

Wendell and Marcia Dilling, both chemists and long-time supporters of the Midland Section ACS, are prepared to help us reach that goal by donating up to $18,000 as part of a Challenge Grant to the Scholarship Fund, which currently stands at $79,300. **They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple years**.

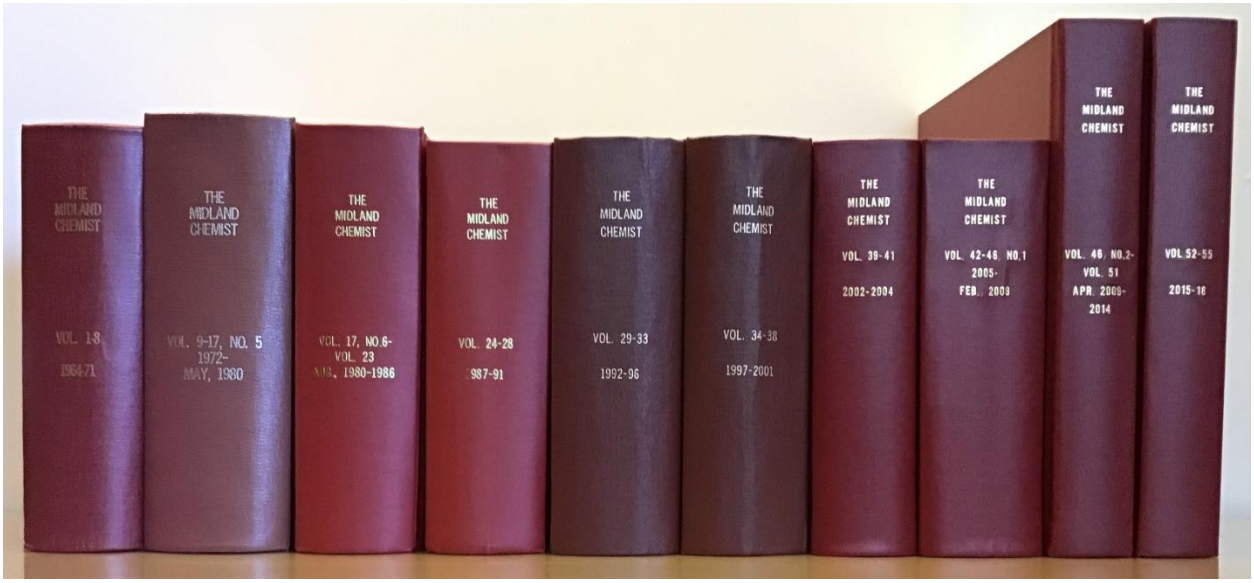
Please consider contributing to this worthwhile cause. **Your donations will help shape the future of chemistry!** If you have any questions about contributing to the Midland ACS Scholarship Fund, please call the Midland Area Community Foundation at 989-839-9661. Thank you.

An online donation form can be found through the following link:

Midland Section American Chemical Society Endowed Scholarship Fund #399

In Past Issues of *The Midland Chemist*

Wendell L. Dilling, Director and Historian, Midland Section ACS



From these volumes . . .

50 Years Ago, *The Midland Chemist* **1972**, *9*, No. 7, 14.

In *Report to the Midland Section, ACS Meeting – New York* by Midland Section Councilors, David C. Young, Fred C. Leavitt, Linneaus C. Dorman: "The Council considered a large number of proposals at the New York meeting. It rejected or postponed most of them. This is the score card:

A. Three petitions were rejected to change various Council election procedures to using mail ballots instead of voting at the meeting.

B. Two petitions (having conflicting provisions) which would require that the president and the regional directors be elected by a majority vote were postponed to the Dallas meeting. Regardless of which procedure it finally adopts, the Council did not want to change the election rules for this fall – after the nominees had already been selected."

40 Years Ago, *The Midland Chemist* **1982**, *19*, No. 7, 2.

In *Chairman's Corner* by Bill Dennis: "The 1982 calendar year has been an eventful one so far for the Midland Section of the ACS and the Midland Section has sponsored several very successful programs.
One of the most noteworthy is the 14th Central Regional Meeting hosted by our section. This meeting was very successful based on the number of chemists who attended and the quality of the papers and symposia presented. Wendell Dilling, the 14th CRM Committee Chairman, and all of his committee are to be congratulated for providing us with a meeting of such high quality."

30 Years Ago, *The Midland Chemist* **1992**, *29*, No. 7, 3.

In *ACS Fairbooths a Great Success!* by Ingrid Stuermer, YCC Fairbooth Committee Chairperson: "The Younger Chemists Committee, as part of the ACS, would like to thank the many volunteers who helped make the science booths so successful at both the Midland and Saginaw County Fairs. Our booths were so popular that they even had special mention in the Midland and Saginaw newspapers. All participants would probably agree that volunteering at the fairbooths was a fun experience. Who wouldn't have fun spending an evening making slime?!"

20 Years Ago, *The Midland Chemist* **2002**, *39*, No. 7, 11.

In *What Does Ether Have To Do With Chemistry?* by Angelo Cassar: "Since I am the publicity chair for our Section and also the husband of one of our councilors (Gretchen Kohl), I decided to attend the 224th National ACS Meeting in Boston. I took a number of pictures at the meeting, including the proud pictures of several of our members accepting ChemLuminary awards.
One of the suggested assignments given to me, at the Section Board Meeting was to take a picture of the statue of the inventor of ether. The statue supposedly stood in the beautiful Boston Public Gardens. As I sat on the bus on the way to the Public Gardens, I began to contemplate an article about ether. Memories of a Modern Physics class surfaced when I remembered …"

10 Years Ago, *The Midland Chemist* **2012**, *49*, No. 5, 3.

In *Call for Volunteers for 44th CERM*: "The 44th "Central Regional ACS Meeting is being hosted by the Midland Section and will take place on the campus of Central Michigan University, May 15-18, 2013. The Midland Section last hosted the Central Regional Meeting in 2006 in Frankenmuth. In recent years, 600-1000 people have attended Central Regional meetings. Attendees are able to interact with a large number of other chemists from the region, which includes parts of Michigan, Indiana, Ohio, Kentucky, West Virginia, and Pennsylvania."

Upcoming Dates, Events, and Other Updates

- October 3 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at Webex Board Meeting - October 2022, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- October 12 (7:00 – 8:00 PM) – *Sprouts & STEMs Garden Program – Natural Pigments and Dyes: The Chemistry of Color,* Creative 360, 1517 Bayliss Street, Midland. See flyer in this newsletter.
- October 12 (7:00 – 8:30 PM) – MSU St. Andrews Family Astronomy Night, free virtual event. Presentation topic: *Black Holes and Supernovae: What's Left When the Largest Stars Die.* See article in this newsletter for details. Please see https://standrews.msu.edu/family-astronomy-night/ for more information about these ongoing monthly programs and to access prior archived presentations.
- October 17 – **Deadline to submit abstracts for oral and poster presentations for the ACS Spring 2023 National Meeting & Exposition**, Indianapolis, in-person and virtual hybrid meeting format. Meeting theme: *Crossroads of Chemistry.* For more information about the ACS Spring 2023 meeting, please see ACS Spring 2023. To submit an abstract, please click on abstract submission.
- October 21 (3:00 – 4:00 PM) – Networking Webinar: *Women Chemists of Color Celebrating National Chemistry Week*. See flyer in this newsletter for details and registration link.

- October 26 (7:00 – 8:00 PM) – *Pumpkin Party,* Creative 360, 1517 Bayliss Street, Midland. See flyer in this newsletter.
- October 28 (4:00 – 7:00 PM) – *Frankenstein Friday* at Central Michigan University Museum of Cultural and Natural History. See flyer in this newsletter.
- October 29 (8:00 AM to 4:30 PM) – 2022 Midland Section ACS Fall Scientific Meeting, Curtiss Hall, Saginaw Valley State University. Meeting theme: *A Touch of Chemistry*. See flyer in this newsletter. For any questions, please contact the 2022 ACS FSM Chair Hari Katepalli at hkatepalli@dow.com or fsm@midlandacs.org.
- October 29 (10:00 AM – 3:00 PM) – *Midland ACS at the Halloween Bash.* Celebrating National Chemistry Week theme: *Fabulous Fabrics*. Midland Center for the Arts, 1801 W. Saint Andrews, Midland. See flyer in this newsletter.

- November 2 and 4 (Save the Date) – Golden Gate Polymer Forum (GGPF) Virtual Short Course: *Polymers for Medical Applications*. See article in this newsletter for more information, and visit the website at www.GGPF.org.
- November 3 (9:00 AM – 4:00 PM) – Midland Section ACS Diversity & Inclusion Committee program, *A Day in the Life of an Industry Scientist*, Midland Center for the Arts, an event in partnership with the University of Michigan (Flint) and Kettering University. See flyer in this newsletter. For more information, please contact Anne-Catherine Bedard at diversity@midlandacs.org.
- November 7 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at Webex Board Meeting - November 2022, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- November 14 (11:59 PM EST) – **Deadline for election of 2023 Midland Section ACS Officers and Board.** Voting will start Monday, October 24, 2022, and will close Monday, November 14, 2022, at 11:59 PM. Watch your email for a ballot.

- December 5 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at Webex Board Meeting - December 2022, Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.

- March 26-30, 2023 (Save the Date) – ACS Spring 2023 National Meeting & Exposition, Indianapolis. In-person and virtual hybrid meeting format. Meeting theme: *Crossroads of Chemistry.* **The deadline to submit abstracts for oral and poster presentations is October 17, 2022.** For more information about the ACS Spring 2023 meeting, please see ACS Spring 2023. To submit an abstract, please click on abstract submission.

The Midland Chemist is published twelve times a year by the Midland Section of the American Chemical Society, P.O. Box 2695, Midland, MI 48641-2695, http://www.midlandacs.org. Current and past issues are available at midlandchemist.org.

Please submit all articles and photographs to the editor at newseditor@midlandacs.org. Neither *The Midland Chemist*, nor the Midland Section, nor the American Chemical Society assumes any responsibility for the statements and opinions advanced by contributors of or to *The Midland Chemist*.

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