



PENN-OHIO BORDER SECTION NEWSLETTER

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November Meeting

Friday, November 21, 2014 @ 7:00 pm

**Thiel College
Science Building S-100**

Speaker:

**Dr. Chris Stanisky
Associate Professor of Chemistry
Thiel College**

**“A Little About Fullerenes, a Little More
About Electron Beams, and a
Dollop of Astrochemistry”**

Abstract: Brief mention will be made of inserting atoms and small molecules in fullerenes. Then a random change of focus will have us discussing reactions initiated by irradiating supercritical methanol with a 8 MeV linear accelerator. Finally, there will be plans presented for an undergraduate research program studying reactions initiated by cosmic rays in outer space.

Speaker Biography: Dr. Stanisky studied chemistry and ancient history at Franklin and Marshall College. He earned a PhD in physical chemistry from Yale University and carried out post-doctoral research at Notre Dame. He joined the Thiel faculty in 2010.

Directions to Thiel College

From the North: Follow Route 79-S to the 322 (Conneaut Lake) exit. Follow 322-W to the Route 18-S intersection. Follow 18-S to the Thiel Campus.

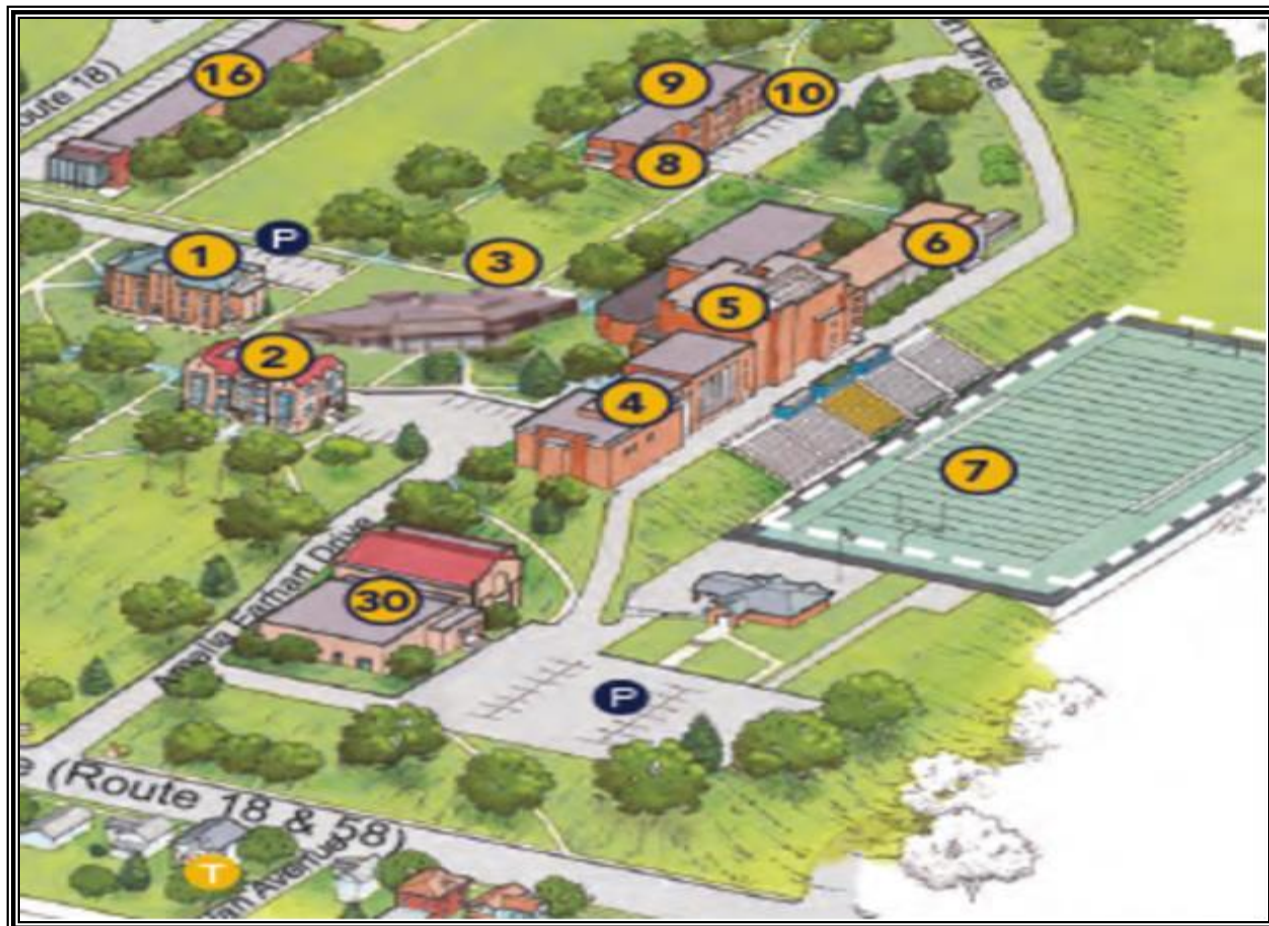
From the South: Follow Route 79-N to the 80-W (Sharon) exit. Follow Route 80-W to the Route 19-N (Mercer) exit. In Mercer take Route 58-W into Greenville. Turn right on Main Street (Route 358-E). Follow Main Street to College Avenue. Turn left on College at the Sheetz Convenience Store. Follow College Avenue (Route 18-N) to the Thiel Campus.

From the West: Follow Route 80-E to Exit 4-B (Sharon-Hermitage). Pick up Route 18-N, which takes you into Greenville (approximately 16 miles north). Turn right on Main Street (Route 358-E); follow Main Street to College Avenue. Turn left on College at the Convenience Store. Follow College Avenue (Route 18-N) to the Thiel Campus.

From the East Follow Route 80-W to the Route 19-N (Mercer) exit. In Mercer take Route 58-W into Greenville and then follow Route 18-N to the Thiel Campus or...

Take the PA Turnpike to the I-79N exit. Follow 79-N to the 80-W (Sharon) exit. Follow Route 19-N (Mercer) exit. In Mercer take 58-W into Greenville and take 18-N to the Thiel Campus.

Room S-100 is in the Rhodehouse Science Building (#6) which is attached to the Academic Center (#5). Parking is available in the lot behind the Gymnasium (#30) and in Lot #10. Handicapped parking is available at the top of Amelia Earhart Drive.



Councilor's Report – 2014 Central Regional Meeting

I have been a little bit busy serving on the Committee for CERM 2014 in Pittsburgh in the capacity of Symposium Chair for November 1 and being on the Awards Committee. Your Penn-Ohio Border Section sponsored a high school teacher symposium on Saturday, November 1, which was excellent as far as presentations by previous Central Regional Excellence in High School Teaching Award winners, but poor in attendance.

The Central Regional Meeting was held at Double Tree by Hilton Hotel Pittsburgh, Green Tree, PA from October 29-November 1, 2014. The Plenary Lectures were "Smart Molecules for Imaging, Therapy, and Health" by Dr. Bradley D. Smith, "Characterization and Nucleoprotein Complexes by Ion Mobility Mass Spectrometry" by Dr. Vicki H. Wysocki, "From Synthesis to Materials Design: New Nanostructures and New Catalysts" by Dr. Sara E. Skrabalak. Regional Award Recipients were Patrick B. Smith for the E. Ann Nalley Award for Volunteer Service to the American Chemical Society, Erica Posthuma-Adams for Excellence in High School Teaching and Amanda C. Bryant-Friedrich for the Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences. The social events were Wine, Wii, and Wiches and Rum Science - Pittsburgh Style preceded by Sci-Mix - 1 on Wednesday. Emphasis on Wednesday was the sold-out exhibitors room. Thursday was an Energy Exhibit from Drake Well near Titusville and the Awards Banquet. Friday was all Undergraduate Programming with a very large poster session and an Ice Cream Social with ACS Governance (6 representatives). Saturday was teacher programming.

The schedule for upcoming regional meeting is as follows:

46th CRM 2015 Joint with Great Lakes/ Western Michigan Neal Fox, nealfox@comcast.net Grand Rapids, MI

47th CRM 2016 CINCINNATI

48th CRM 2017 DETROIT

49th CRM 2018 TOLEDO (preliminary bid)

50th CRM 2019 MIDLAND (100th Anniversary)

53th CRM 2022 DETROIT

REPORTS:

44TH CRM Silicon Science and the Art/History exhibit were the outstanding activities. Dow was generous as was CMU (Central Michigan University). Their Income was \$98,706 with \$70,908 in expenses for a profit of \$27,798. \$6,950 was given to the Steering Committee.

45TH CRM. The theme in Pittsburgh was Bridging Chemistry and Innovation - Materials-Health-Energy. There were 33 vendors (sold-out). Posters were very popular. There were 126 undergraduate posters on Friday and 16 representatives at the graduate recruiting fair. Parking was free at the DoubleTree and it had been recently renovated. There were 854 attendees (the second highest in 22 years). In 2003 in Pittsburgh, the attendance was 576. There were a total of 235 posters and 284 oral presentations. Successful meeting in all aspects and interactions. Congrats from District II Board Representative, Dr. Bodner. Project Seed Luncheon and poster session were on Saturday. Section Awards were also presented at the Awards Banquet.

46TH CRM. On May 7-30 of 2015 the Great Lakes and Central Regions of the American Chemical Society have the privilege of hosting a Joint Regional Meeting at the Amway Grand Hotel and DeVos Place in downtown Grand Rapids, Michigan. Capitalizing on the interests in our geographic area, the three focus themes chosen for the meeting are Food, Health, Environment. The possibility of having teacher workshops for credit was discussed.

Roger Parker was elected to another three year term as Secretary of the Central Region.

Heather Juzwa was elected Webmaster for the Central Regional Website - with full control.

Doris Zimmerman was elected Awards Chairman for the Central Region for a three year term.

POBS Tentative Schedule for 2014-15

November 18 th	Faraday Lecture – Bassam Shakhashiri – Chem Demos! See last page.
December 16 th	Professional Day at Youngstown State. RSVP required. See below.
February	POBS Meeting at Youngstown State, TBA
April	Awards Banquet at Westminster College
May 27-30, 2015	Joint Great Lakes – Central Regional Meeting, Grand Rapids, MI

Professional Day at Youngstown State University

The Department of Chemistry invites you to the 2014 Professional Day (co-hosted with the Department of Education) on Tuesday, December 16th. This year's topic is on the flipped classroom concept. Flipped learning has often been simplistically described as "school work at home and homework at school." By moving direct instruction outside of the classroom, the classroom can be made a more dynamic, interactive environment for the student. Registration in the Chemistry Department office is from 8:30 – 9:00 a.m. Opening remarks from Dr. Gregg Sturris, Interim Dean of the STEM College, and Dr. Tim Wagner, the chair of the Chemistry Department start at 9:00 a.m. followed by a presentation by Mr. Aaron Sams until noon. After lunch (on your own), a local chemistry teacher who has tried the concept in his classroom will present. Please reserve your spot via e-mail at maserra@ysu.edu as soon as possible. The absolute last day to RSVP will be Friday, December 5th.

PLEASE NOTE: Aaron would like to keep in touch with all participants via an electronic newsletter. In your e-mail please provide your *name, work e-mail address, the name of your employer, and your job title*. Your contact information will be kept confidential and will not be sold to a third party (assured by the speaker).

Speaker Biography



Aaron Sams -- An educator since 2000, FLN chair [Aaron Sams](#) is the Director of Digital Learning and Director of Admissions at the Reformed Presbyterian Theological Seminary in Pittsburgh, PA. Prior to this, he was a chemistry teacher at Woodland Park High School in Woodland Park, CO. He was awarded the 2009 Presidential Award for Excellence in Math and Science Teaching and served as co-chair of the Colorado State Science Standards Revision Committee. He frequently speaks and conducts workshops on educational uses of screencasts and the Flipped Classroom concept. He believes strongly in student-centered learning environments, where students are encouraged to learn and demonstrate their understanding in ways that are meaningful to them. He holds a B.S. in Biochemistry and an M.A.Ed. both from Biola University. Additional information can be found at <http://flippedclass.com>.

27th Annual Faraday Lecture

“Science is Fun and the Joy of Learning”



**Professor Bassam Shakhshiri, Ph.D.
James Maynard**

**University of Wisconsin
Madison Department of Chemistry**

*Chemistry Demonstrations from Shakhshiri's Volume I – V
These demonstrations will show that Science is Fun
for students, parents and the general public.*

TUESDAY, November 18, 2014

7:30 pm (Doors Open at 7)

Soldiers and Sailors Memorial Hall

4141 Fifth Avenue in Oakland, PA

FREE & OPEN TO THE PUBLIC



Sponsored by
The Society for Analytical Chemists of Pittsburgh
The Spectroscopy Society of Pittsburgh
www.sacp.org or www.ssp-pgh.org

