

## CeRCaS News Blast 4/11/17

### Ring 1: Guess Who Was Elected to the National Academy of Engineering?

The Capstone Building was lit up in garnet in his honor. The press called (you can see the story at [www.sc.edu/uofsc/announcements/posts/2017/02/john\\_monnier\\_nae.php#.WmzxG8rJ](http://www.sc.edu/uofsc/announcements/posts/2017/02/john_monnier_nae.php#.WmzxG8rJ)).

**NATIONAL ACADEMY OF ENGINEERING** About NAE Publications

**NAE MEMBERS**


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- Dr. John R. Monnier**

**Dr. John R. Monnier**

Title	Research Professor
Organization	University of South Carolina
Election Year	2017
Primary Section	03. Chemical Engineering
Member Type	Member



**Election Citation**

For the discovery and development of the silver-catalyzed epoxidation of non-allylic olefins to produce 3, 4-epoxy-1-butene and other non-allylic olefin epoxides.



And the field of catalysis rejoiced at the election of Prof. John R. Monnier into the National Academy of Engineering. John joins another chemist associated with CeRCaS, Stu Soled of ExxonMobil, in the academy.

**Ring 2: CeRCaS Welcomes Three More Members: UOP, Idaho National Laboratory and Fuzionaire**

We are thrilled to add UOP, Idaho National Laboratory and Fuzionaire to our membership of BASF, Eastman Chemicals, ThalesNano, Boehringer-Ingelheim, Biogen, Afton Chemical, and ExxonMobil, bringing our total to 10 members. We're working hard to add more!

Fuzionaire



ExxonMobil



EASTMAN



### Ring 3: Seven Projects are Underway.

Join us for project updates! IAB participation in each project's monthly update is open to all members, and not just the Industrial Mentor. We normally have multiple companies on each call. If you are not a member, become one, then participate! From our home page, (password protected) links are provided for all past updates.

#### Project Updates: (Members Only)

Update Links	Project	Principal Investigators	Industrial Mentor	Reports	Call In*	Next Date**
<a href="#"><u>Project 1</u></a>	Continuous Production of Metal Nanoparticles using Microwave Irradiation	Carpenter Gupton (VCU) Monnier (USC)	Devlin (Afton)	First Tuesday (Morning)	1 415 655- 0001 US TOLL	<b>03/07</b> 10:00 AM
<a href="#"><u>Project 2</u></a>	Enhanced Stability of Catalytic Surfaces by Bimetallic Core-shell Structures	Monnier Regalbuto (USC) Khanna (VCU)	Liu/McMillan (Eastman)	Second Tuesday (Morning)	1 800 753- 1965	<b>03/14</b> 11:00 AM
<a href="#"><u>Project 3</u></a>	Evaluation of Palladium/Graphene Surface Properties for Cross Coupling and C-H activation	Ellis Gupton (VCU) Williams (USC)	TBD (Biogen)	Third Tuesday (Morning)	1 415 655- 0001 US TOLL	<b>03/21</b> 10:00 AM
<a href="#"><u>Project 4</u></a>	"Real World" Nanoparticle Synthesis on Model Supports	Chen Regalbuto (USC)	Soled (ExxonMobil)	Fourth Tuesday (Morning)	1 800 753- 1965	<b>03/01</b> 3:00 PM
<a href="#"><u>Project 5</u></a>	Continuous Catalytic Oxidation in Pharmaceutical Processing	Awad El-Shall Gupton (VCU) Monnier (USC)	Yi Du (ExxonMobil)	First Tuesday (Afternoon)	1 415 655- 0001 US TOLL	<b>03/07</b> 2:30 PM
<a href="#"><u>Project 6</u></a>	Cross Coupling from a Heterogeneous System based on Homogeneous Molecular Catalyst	Vannucci Yu (USC)	Senanayake (BI)	Second Tuesday (Afternoon)	1 800 753- 1965	<b>03/14</b> 2:30 PM
<a href="#"><u>Project 7</u></a>	Statistical design for guided nanoparticle synthesis	Lauterbach Wen (USC)	Deutsch (BASF)	Third Tuesday (Afternoon)	1 800 753- 1965	<b>03/21</b> 2:30 PM

### Save the Date! Spring CeRCaS Meeting (May 18-19, 2017) in Richmond at the Omni Richmond.

The Spring CeRCaS meeting will be held at the historic Omni Richmond in downtown Richmond, VA. The group rate is \$132/night. You may call (804) 344-7000, don't forget to mention that you will be attending the "CeRCaS" meeting in order to join the block. A full agenda for the meeting will circulate soon.

Also, the time is NOW if you are interested in working with a CeRCaS faculty member on developing a one page white paper proposal; a prescreening of all potential projects for presentation in Richmond will occur at the beginning of May.



For more information:

<http://www.che.sc.edu/centers/cercas/>