

### **Spring has sprung!**

Spring is one of the four conventional temperate seasons, following winter and preceding summer. There are various technical definitions of spring, but local usage of the term varies according to local climate, cultures and customs. When it is spring in the Northern Hemisphere, it will be autumn in the Southern Hemisphere. At the spring equinox, days are approximately 12 hours long with day length increasing as the season progresses. Spring and "springtime" refer to the season, and also to ideas of rebirth, rejuvenation, renewal, resurrection and regrowth.

We have the normal meetings planned on the second Tuesday of each month (Snuffies in Scotch Plains or Rolf's in Warren, NJ) with our executive committee meeting on the first Tuesday at Paisanos at Watchung Square Mall.

As usual we are looking for volunteers to help run the section. Please contact any officer or just show up at Paisanos. The New Year will see more joint meetings with North Jersey.

Reservations can be made by phone to 908-604-2670. Our email reservation is unchanged.

### **2016 Section Officers**

**Chairperson:**

Jacqueline Sibbles

**Chair-Elect:**

Howard Stamato

**Treasurer:**

Patricia Forgang

**Secretary:**

Andrew Soos

**Past Chair:**

Chandra Nair

**Directors:**

Phil Messina

Laura Turci

Ken Carlson

David Greene

Yasha Zelmanovich

Rich Sarnie

**Director Emeritus:**

Frank Dittman



## Rutgers Student Awards

We had our usual annual Rutgers student awards at the Cove in Piscataway, NJ in March 2016.

### Juniors

#### **Ajay Kashi**, *Research Scholar Award*

Ajay has been in the Dismukes lab since the summer of 2014 when he joined as part of the Aresty Summer Intern program. His junior research has been conducted in electrochemical water splitting and in solar fuels synthesis. His initial work on hydrogen evolution catalysts contributed to the discovery that current electrode fabrication methods were the bottleneck to achieving higher activity catalysts. This steered him into his own sub-project — developing 3D-engineered nickel phosphides hydrogen evolution electrodes. Ajay has presented his work at three scientific meetings, including the Aresty poster session in 2014 and 2015, the LSM symposium at Rutgers in 2015, and the American Institute of Chemical Engineers National Student Conference in November 2015. In recognition of his contributions, he has received the Aresty Student Fellowship twice, as well as the REI summer intern scholarship. His scientific presentation skills were recognized with the 3<sup>rd</sup> place CBE Department of Undergraduate Research Day poster award and with the 1<sup>st</sup> place AIChE National Conference student poster award. In addition to his scientific engagement, he spent his winter break in Africa with Engineers Without Borders on the Kolunje, Kenya Water Supply Project working towards clean water for the local population.

#### **Christian Tabedzki**, *Leadership Scholar Award*

Christian is a junior student not only with excellent academic record (GPA of 4.0) but also with other activities, such as industrial work at Colgate and service as a Treasurer of Engineering Governing Council. He also served as a captain for Chem-E-Car Club. Christian has also worked in the Hara research group for one and a half years, developing new inorganic polymers. Thus, he is a well-rounded Chemical Engineering student.

### Seniors

#### **Katelyn Dagnall**, *Leadership & Research Scholar Award*

Katelyn is an accomplished researcher and leader. She led the Rutgers chapter of AIChE as President and Vice President, organizing several new and successful annual events, such as the Networking Mixer, Support the Seniors Coffee Break, Pie a Professor, and the Holiday Party. In her research in the Celik Catalysis Group, she has synthesized and characterized semiconductor photocatalysis for biomass reforming, and presented her results at the national AIChE meeting and her senior thesis will be the basis for a peer-reviewed paper.



**Jacqueline Sibbles, Section Chair  
And Yee Chiew, Student Advisor**



**The Group**



**Christian Tabedzki**



**Ajay Kashi**



**Charles Foster**



**Katelyn Dagnall**



### **Charles Foster**, *Leadership & Research Scholar Award*

Charles is a dedicated student leader, taking on leadership roles in the chemical engineering societies. Charles served on the executive boards of Omega Chi Epsilon and ISPE this past academic year, and will be continuing his active leadership role next year as president of Omega Chi Epsilon. Charles has performed research for almost 2 years now with Dr. Ierapetritou, and has conducted his research duties with the utmost professionalism, performing exceedingly well in the research environment. Charles has produced multiple literature reviews on subject matters relevant to his research, and he has taken every opportunity available to present his work. He has presented to numerous professors, industry professionals, and students in poster competitions, including the AIChE regional and national competitions, ISPE New Jersey Chapter Student Poster Competition, and at the ISPE Rutgers Student Chapter's Grand Pharmaceutical Networking Dinner. Even with these added responsibilities, Charles still manages to perform exceedingly well in his academic coursework, maintaining a GPA above 3.8.

## **2016 Spring Meeting and 12th Global Congress on Process Safety**

April 10-14, 2016

[Hilton Americas - Houston](#)

[George R. Brown Convention Center](#)

The AIChE Spring Meeting is the year's key technical conference for practicing chemical engineers. A wide range of subjects relevant to the current needs of industry is covered. Plus, the Global Congress on Process Safety covers the critical needs of process safety practitioners more broadly and deeply than any other conference.

### **Conferences & Events**





### **4th CCPS China Conference on Process Safety**

June 1-3, 2016

Qingdao China

CCPS and China University of Petroleum gather professionals, government, and academics to share advancements in process safety.

### **2016 Process Development Symposium**

June 7-9, 2016

Providence, RI

The 2016 Process Development Symposium is a place to exchange wisdom, knowledge, tips, and personal experiences in the development and scale-up of chemical and related processes.

## **Live Online Events**

### **The Flint Water Crisis - Explore What Occurred and How**

Live Webinar

Live Friday, April 8, 2016 - 2:00pm-3:00pm

### **Sponsored Webinar: Enterprise Risk Management**

Live Webinar

Live Wednesday, April 20, 2016 - 2:00pm-3:00pm



## **JOKES!!!!?**

### **Definition of an Engineer**

What is the definition of an engineer? Answer: Someone who solves a problem you didn't know you had, in a way you don't understand.

### **Scientist versus Engineer**

"A scientist can discover a new star, but he cannot make one. He would have to ask an engineer to do that." — Gordon L. Glegg, British Engineer, 1969.

### **Engineers: Wife or Mistress?**

An architect, artist and engineer were discussing whether it was better to spend time with their wives or mistresses. The architect said "I like spending time with my wife building a firm foundation of a marriage." The artist said "I enjoy the time I spend with my mistress because of all the passion and energy." The engineer said "I enjoy both."

### **Engineering Joke**

A girl asked her boyfriend, an engineer, "Don't you want to see where I was operated upon for appendicitis?" The engineer replied "Oh, I hate to see a hospital".

### **It takes one to know one.**

Engineer and Mathematician (males) were given the opportunity to compete for a very attractive woman. But there was one condition: "You can only run half the remaining distance between you and the lady". Engineer sprinted forward while Math guy didn't. "Why aren't you running?" Asked members of the Committee. Because, by definition, I will never be allowed to reach my target. "And you Engineer why are you running? Don't you know the same?" Yes, said Engineer, my learned friend is correct. But I will get close enough for all practical purposes.

### **Engineering Degree Joke**

A graduate with a Science degree asks, "Why does it work?" A graduate with an Engineering degree asks, "How does it work?" A graduate with an Accounting degree asks, "How much will it cost?" A graduate with a Liberal Arts degree asks, "Would you like an apple pie with that?"

### **Mechanical Engineers, Civil Engineers and Chemical Engineers**

What is the difference between Mechanical Engineers and Civil Engineers? Mechanical Engineers build weapons; Civil Engineers build targets. Chemical Engineers are engineers that build targets that explode really well.