

Spring was great! Get ready for summer!

What is spring? 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 is autumn in the Southern Hemisphere and vice versa. At the spring, or vernal, equinox, days are approximately 12 hours long with day length increasing as the season progresses.

It is also a twisted or coiled piece of metal that returns to its original shape when it is pressed down or stretched.

We normally plan meetings on the second Tuesday of each month (StageHouse in Scotch Plains or Rolf's in Warren, NJ) with our executive committee meeting on the first Tuesday at Paisanos at Watchung Square Mall. Keep an eye on the announcements as we have to accommodate venue and speaker schedules to keep the quality of programming.

As usual we are always 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.

2018 Section Officers

Chairperson:

Howard Stamato

Chair-Elect:

Mike Kolber

Treasurer:

Yasha Zelmanovich

Secretary:

Jacqueline Sibbles

Directors:

Andrew Soos

Laura Turci

Ken Carlson

David Greene

Director Emeritus:

Phil Messina



Rutgers Student Awards

We had a number of awards and a fine group of panelists discussing what it is like to be hired and employed as an engineer. Here are the students who won awards.

Senior researcher-scholar - Jakub Chmiel

Senior leader-scholar - Jonah Williams

Junior researcher-scholar - shared by Stephanie Plant and Alma Thokkadam

Junior leader-scholar - Andrew Vex



The Group



The Studious Senior NJAICHE Members Including the Leader Howard Stamato in the Middle



Yee Chiew and Howard Stamato



Andrew Vex



Alma Thokkadam



Jonah Williams



Jakub Chmiel



Current Conferences and Meetings at National

2018 Process Development Symposium

Applying New Technologies in Process Development

June 5-7, 2018

[Add to Calendar](#)

[Hamburger University at McDonald's Campus, Oak Brook, IL](#)

The 2018 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.

ACHEMA – World Forum and Leading Show for the Process Industries

11 - 15 June 2018

Frankfurt am Main, Germany

2018 Chemours Sponsored CCPS Faculty Workshop

August 6-9, 2018; Fayetteville North Carolina

This Faculty Process Safety Workshop, sponsored by Chemours, will show chemical engineering faculty how process safety is put into industrial practice and demonstrate the importance of process safety to the design and operation of a chemical plant.

2018 BASF Sponsored CCPS Faculty Workshop

July 23-26, 2018; Wvandotte, MI



Important Links

Webpage: <https://njaiche.org/>

Facebook: <https://www.facebook.com/njaiche.engineers/>

WHAT IS AN ENGINEER?

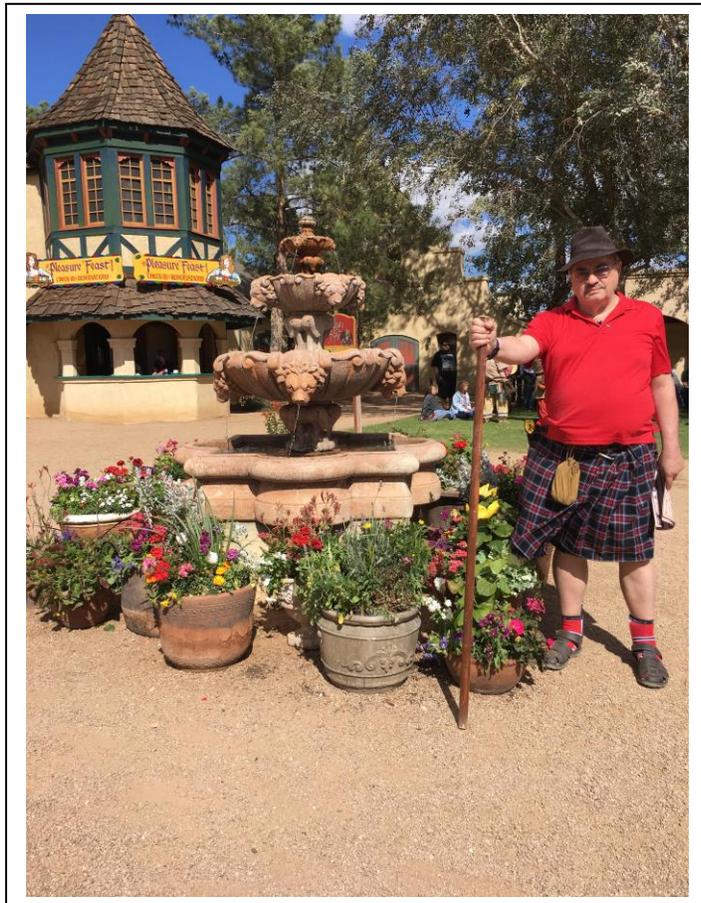
ENGINEERING IS THE APPLICATION OF
SCIENCE AND MATH TO SOLVE PROBLEMS.

ENGINEERS SOLVE PROBLEMS.

THEY LEAD OTHERS.

THEY ARE RESPONSIBLE FOR THEIR ACTIONS.

THEY HAVE ETHICS.



Andy Soos in Arizona!



Students2 Science

The U.S. is facing a national STEM crisis, fueled by a combination of an under-resourced STEM education system, a declining interest in STEM subjects among students, and a rapidly increasing global demand for a workforce highly skilled in STEM fields. The future of our national security and economic well-being is dependent on solving this crisis.

To highlight a few statistics:

- 60 percent of U.S. employers are having difficulties finding qualified workers to fill vacancies at their companies. (Council on Foreign Relations)
- STEM occupations will grow 1.7 times faster than non-STEM occupations over the period from 2008 – 2018. (US Office of Science and Technology and Policy)
- In the current overall employment market, unemployed people outnumber job postings 3.6 to one. In the STEM occupations, job postings outnumber unemployed people by 1.9 to one.

The situation is especially acute in New Jersey:

- By 2018, New Jersey will rank #12 in the nation for the number of STEM or STEM-related jobs and have 269,000 STEM jobs that will need to be filled.
- There are 1.4 available STEM jobs for every unemployed person in New Jersey.
- There are more than 6 million high school students in New Jersey, but only 1.6 million of them are interested in pursuing a STEM career.
- Less than 15% of female students and less than 27.5% of Black and Latino students are interested in pursuing a STEM career.

Students2Science is an organization promoting STEM and needs volunteers:

- <https://www.students2science.org/>
- Mailing Address:
Students 2 Science, Inc.
66 Deforest Avenue
East Hanover, NJ 07936
- Email: info@students2Science.org
Phone: 973-947-4880
Fax: 973-947-4820
- Hours of Operation:
Program Hours: 9:00am – 2:30pm
Office Hours: 8:30am – 6:00pm, Monday through Friday



JOKES!!!!?

Two engineering students were biking across a university campus when one said, "Where did you get such a great bike?"

The second engineer replied, "Well, I was walking along yesterday, minding my own business, when a beautiful woman rode up on this bike, threw it to the ground, took off all her clothes and said, "Take what you want.

The first engineer nodded approvingly and said, "Good choice: The clothes probably wouldn't have fit you anyway."

To the optimist, the glass is half-full. To the pessimist, the glass is half-empty. To the engineer, the glass is twice as big as it needs to be.

A priest, a doctor, and an engineer were waiting one morning for a particularly slow group of golfers.

The engineer fumed, "What's with those guys? We must have been waiting for fifteen minutes!"

The doctor chimed in, "I don't know, but I've never seen such inept golf!"

The priest said, "Here comes the greens-keeper. Let's have a word with him." He said, "Hello George, What's wrong with that group ahead of us? They're rather slow, aren't they?"

The greens-keeper replied, "Oh, yes. That's a group of blind firemen. They lost their sight saving our clubhouse from a fire last year, so we always let them play for free anytime!"

The group fell silent for a moment. The priest said, "That's so sad. I think I will say a special prayer for them tonight."

The doctor said, "Good idea. I'm going to contact my ophthalmologist colleague and see if there's anything she can do for them."

The engineer said, "Why can't they play at night?"

What is the difference between mechanical engineers and civil engineers? Mechanical engineers build weapons. Civil engineers build targets.

The graduate with a science degree asks, "Why does it work?"

The graduate with an engineering degree asks, "How does it work?"

The graduate with an accounting degree asks, "How much will it cost?"

The graduate with an arts degree asks, "Do you want fries with that?"

Three engineering students were gathered together discussing who must have designed the human body.

One said, "It was a mechanical engineer. Just look at all the joints."

Another said, "No, it was an electrical engineer. The nervous system has many thousands of electrical connections."

The last one said, "No, actually it had to have been a civil engineer. Who else would run a toxic waste pipeline through a recreational area?"