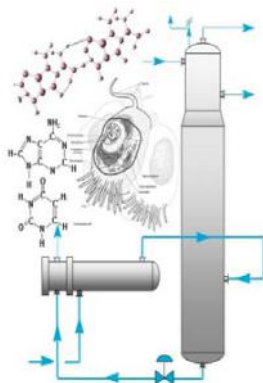


December Newsletter



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AIChE Chicago

December Social

December 13, 2017

- ◆ *Ice Skating at Millennium Park 6:30-7:30pm, bring your own skates or rent for \$12.*
- ◆ *Dinner 7:30pm at Park Grille, (individually billed)*

RSVP to ckloncz@gmail.com



*Renew your AIChE
Membership
by 12/31/2017!*

[http://www.aiche.org/
community/membership/renew](http://www.aiche.org/community/membership/renew)

Save the Date!

January Meeting

January 25th

Schaumburg, IL



November Meeting Summary

By: Connor Wegner

About 50 members attended our November 2017 monthly meeting. The meeting began with a tour at Fermilab, where high energy physics and the Deep Underground Neutrino Experiment (DUNE) were discussed. Once the tour was completed, the meeting was moved to nearby Country House Restaurant, where members were treated to a pasta entrée. Once dinner was finished, Dr. Jaehoon Yu, professor of physics, from University of Texas Arlington, presented on “My 1000 Year Dreams with Particle Physics”. In his presentation, he was able to further explain DUNE and the role he played in it during his time at Fermilab. When he was finished, attendees were able to ask questions to Dr. Yu and he was thanked for taking his time to speak at our meeting.



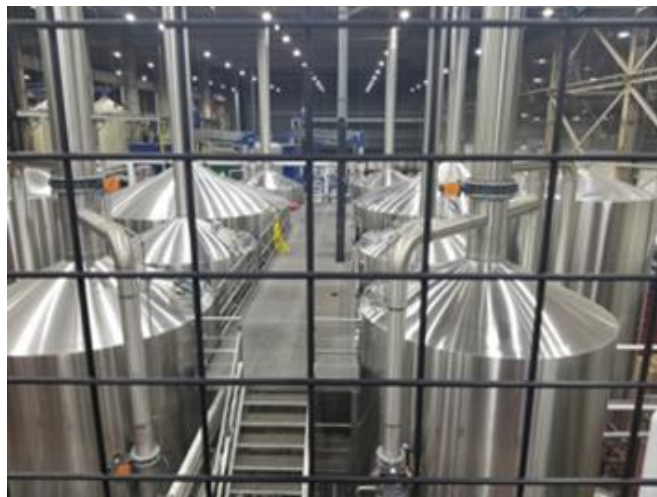
Young Professionals NEWS

The AIChE-Chicago young professionals held their November 17th social event at a place that could be considered the brewery equivalent of Willy Wonka's chocolate factory. Lagunitas Brewing Company in Chicago's North Lawndale neighborhood was the venue and about a dozen attendees showed up to enjoy chips and salsa along with a variety of craft beers. After entering the building through a small, unassuming doorway, passage through a psychedelic corridor, and up a few flights of stairs eventually brought visitors to the main area of the venue. A few of us enjoyed a free tour of the brewery while others relaxed in the main restaurant area, the taproom. Free brewery tours (some with tastings depending on the time of day) are offered daily, and you don't even need a golden ticket. In the busy taproom, our group sat on long bench tables with bluesy guitars playing in the background. We were glad to have a variety of attendees, which represented chemical engineers at various points in their careers, from bright-eyed college students working on their senior projects to young, practicing engineers that are gaining the experience and intuition of professionals in their field. The Chicago YP committee thanks all of those who came out to chat in spite of the rainy weather. Our next event will take place in

December and will potentially feature ice-skating and an opportunity to grab some drinks. Look out for a YP notification regarding this event in your mailbox soon!

Happy Holidays,

AIChE Young Professionals Committee (YPC)



“CALL FOR CONTRIBUTIONS”



AIChE®
MIDWEST
REGIONAL
CONFERENCE

2018 AIChE Midwest Regional Conference

Chicago, IL – **March 13-14, 2018**

Hosted by Illinois Institute of Technology

Organized by Chicago Local Section of AIChE

**Note: The submission deadline has been extended to
December 8, 2017**

<https://tinyurl.com/Submit2MRC2018>

The planning committee for the 2018 AIChE Midwest Regional Conference is proud to announce the following slate of invited speakers:

Keynote Speakers:

Jim Rekoske, *Chief Technology Officer, UOP/Honeywell*

John A. Rodgers, *Professor, Northwestern University*

Doraiswami Ramkrishna, *Distinguished Professor, Purdue University*

Plenary Speakers:

Russell A. Ogle, *Principal Engineer, Exponent*

Christopher W. Jones, *Professor and Associate Vice President for Research, Georgia Tech*

Thomas Foust, *Director, National Bioenergy Center, NREL*

Kimberly Grey, *Professor and Chair, Civil and Environmental Engineering, Northwestern University*

For submission questions Contact the Programming Chair at chmielewski@iit.edu.

Congratulations to the AIChE 35 Under 35 from Chicago!

The AIChE 35 Under 35 awardees were presented their plaques at the AIChE Annual Meeting. Congratulations once again to the Chicago area recipients: Betul Bilgin, Beth Carter, Ben Freirich, Ellen Kloppenborg, and Meagan Lewis!



Congratulation to Winners of AIChE Beer Brewing Competition

The first ever AIChE Beer Brewing Competition (ABBC) was an overwhelming success! Thank you to all of our local section teams who participated (17 teams total!), all of our Beer Judge Certification Program (BJCP) official tasting judges, all of our AIChE member guest taste judges (66 members!), our AIChE member poster judges, and all the other attendees who helped make this competition possible.

There were 32 beers competing from dark & malty styles, bright & hoppy styles to seasonally flavored brews. We look forward to seeing who is up for the challenge next year at the [2018 AIChE Beer Brewing Competition](#) in Pittsburgh, PA at the [2018 AIChE Annual Meeting](#).

Check out some of the competition action:

[Competition Day Slideshow](#)

[YP Social/ABBC Awards Slideshow](#)

Below are the results of the 2017 competition.

Grand Prize



Section: Mid Michigan Local Section

Team: MMAICHe

Beer Name: Billy's Breakfast Bitter

Bright & Hoppy Category – Tasting

1st Place



Section: Mid Michigan Local Section

Team: MMAICHe

Beer Name: Billy's Breakfast Bitter

2nd Place



3rd Place



Section: Virtual Local Section

Team: Woo Pig Brews

Beer Name: Yellow Rock Blonde

2nd Place



Section: Rio Grande Local Section

Team: NMSBrew

Beer Name: Adobe Brown Ale

Dark & Malty Category – Tasting

1st Place



Section: Tidewater Local Section

Team: Fugacity Brew

Beer Name: The Rectifier

3rd Place



Section: Mid-Michigan Local Section

Team: MMAIChe

Beer Name: Black Lagoon Porter

Best Seasonal



Section: Tidewater VA Local Section

Team: Fugacity Brew

Beer Name: Fester's Spicy Brew

Best Beer Name

Beer Name: Biggliest Beer

Team: 321 Beer!

Local Section: East Central Florida Local Section

Best Poster Presentation

1st – Indianapolis Local Section – Team: Purbrew

2nd – Pittsburgh Local Section – Team: Brewsburgh

3rd – Mid-Michigan Local Section – Team:
MMAICHe

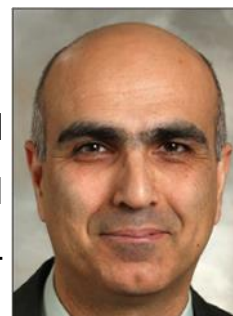
Public Choice Winner (chosen by our 66 guest judges)

Section: Northern California Local Section

Team: Northern California

Beer Name: Redwood IPA

Congratulations to AIChE Chicago Section's New Fellow Member!



Reza Mostofi is lead engineer at Honey-well UOP, where he is responsible for computational fluid dynamics modeling and analysis of refinery units with an emphasis on multiphase flows. He has also taught transport phenomena as an adjunct professor at the Univ. of Illinois, Chicago. His AIChE activities include leadership roles in the Chicago Section, the Particle Technology Forum, AIChE programming, and the Chemical Engineering Education Operating Council. He also served as chair of the Societal Impact Operating Council. He earned his PhD in chemical engineering from Illinois Institute of Technology.

ERNEST W. THIELE AWARD

The Ernest W. Thiele award is sponsored by BP and recognizes the outstanding contributions to our profession by a Midwest region chemical engineer. This award was established by the AIChE Chicago Section and is presented annually to a Midwest region AIChE member. This internationally recognized award consists of an engraved plaque and \$1000 honorarium presented at our sectional meeting.

Nomination forms and additional information can be obtained from the Thiele Committee Chair. Completed nominations are due to the committee chair no later than April 1, 2018

One of the highest honors a distinguished chemical engineer can receive is our Chicago Section Thiele award. Please consider nominating a deserving engineer for this prestigious award.

Jim Simnick

BP Amoco Complex, J-8

150 W. Warrenville Road, Naperville, IL 60566

Ph 630-420-5936, fax 630-420-4832

email: james.simnick@bp.com

Climate Change and US Interests

By: Narayanan Sankaran

The above subject, **the 10th Darsh Wasan Lecture** was delivered on Oct 17 by Dr. John Holdren, Professor at the Harvard Kennedy School and Director of Science and Technology at the White House under President Obama.

The Darsh Wasan Lectures are held annually at the IIT campus Chicago, in October to honor Dr. Wasan, VP of Engineering to recognize his contributions to Chemical Engineering, Academia and Industry practice and is made possible by donations from former students, friends and faculty.

Over the years, the speakers rank among rank among the best scientific minds worldwide, many being Nobel Laurates.

Climate change, this year's topic, is important for human wellbeing worldwide and Dr. Holdren has covered the present state of the subject in 66 slides discussed over a 60 minute period.

The lecture can be viewed on YouTube at: <https://www.youtube.com/watch?v=e4-vVuMf-hs>, and the slides can be downloaded at this link: <https://www.belfercenter.org/publication/global-climate-change-and-us-interests-what-we-know-what-we-expect-what-we-should-do>.

This subject is an emotional and politically po-

larized area of science- my longtime colleague almost punched me after reading a recent opposing publication. It behooves us as AIChE members to be well informed on the subject.

The sixty six slides cover a wide range of topics providing data, trends showing where we are in 2017 and helps you stay in forefront of the subject.

Slide 3 addresses nine topics which are addressed; the magnitude of CO2 emissions is illustrated in slide 6; slide 11 explains why Global warming is a misnomer- a more descriptive term should be Global disruption; Giant Alaskan Glaciers now look like part of Lake Michigan in slide 16; Slide 20 depicts changes in pH of the ocean over decades; harms occurring worldwide are discussed in slide 26, supported by theory, models and studies; most worrisome future possibilities are discussed in slide 45; societies options are discussed in slide 51- mitigation for the unmanageable and adaptation for the unavoidable; slide 65 lists what the S&T community can do.

In addition to the above as a member of the S&T, ChE community you can:

a. Listen to this lecture in YOU tube (takes an hour—an excellent speaker), update your knowledge and data on the subject and develop a stand.

b. Print the slides and circulate them in your

organization so that members can learn, recognize and list areas where your company is making a positive contribution

c. Educate your groups, peers and associates.

Examine and publicize your industry's contribution to mitigation projects/effects.

d. If you have a contrarian view on any item now is the time to scientifically develop it

The YOU tube lecture will be a good one for a lunch and learn session in your company.

AS Chemical Engineers, there is also a good potential for job, research and new project opportunities.

It is our responsibility to ensure that a harmful trend does not become a human destiny.

[Connect with members & participate in discussions on Engage!](#)

Check out AIChE's newest member benefit, AIChE Engage. Use the robust directory search to find and connect with members. Participate in technical, career, and academic discussions about chemical engineering.



CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

HOLIDAY PARTY/ MONTHLY PROGRAM MEETING JOINT WITH

NORTH CENTRAL COLLEGE, LOYOLA UNIVERSITY,
LIBERTYVILLE HIGH SCHOOL, PURDUE UNIVERSITY NORTHWEST AND IOTA SIGMA PI

FRIDAY, DECEMBER 15, 2017

“Discovering Madame Curie”

Dr. Maria Bakalis

ABSTRACT: "Hardships are but part of the life experience. They are there to test our mettle, our resolve" Marie Curie. Follow the journey of a woman who was tested time and time again to reflect this, her life perspective. Marie Curie faced each obstacle with a courageous spirit and a ceaseless determination to live her passion for scientific discovery. "Each of us has a dream and a power to make that dream a reality." Madame Curie, scientist, discoverer of radium, first woman to win the Nobel Prize and thrice winner of the Prize is the evidence which proves her life hypothesis- A dream in the hands of mettle, resolve, determination and, above all, hard work yields a dream realized.

PROGRAM

5:30 - 6:30 P.M. Registration, Poster Session & Networking
 6:30 - 7:30 P.M. Dinner, Door Prizes, and Raffle
 7:30 - 7:35 P.M. Introductory remarks by Fran Kravitz, 2017 Chicago Section Chair
 7:35 - 7:40 p.m. Transfer of the Gavel to the incoming 2018 Chicago ACS Chair, Anthony Toussaint
 7:40 - 8:40 P.M. Program by Maria Bakalis

LOCATIONS

<u>Main</u>	<u>Satellite</u>	<u>Satellite</u>	<u>Satellite</u>
North Central College	Libertyville High School	Loyola University	Purdue University Northwest
Wentz Science Center	708 West Park Ave	Building and Room TBA	Gyde Building Room 240
Ratio Hall (2nd floor)	Library	(Check Chicago Section	2200 169th Street
131 S. Loomis Street	Libertyville, IL 60048	website)	Hammond, IN 46323
Naperville, IL 60540		Chicago, Illinois 60607	

Cost: Dinner is \$15 at North Central College, Loyola University and Libertyville High School to Section members who have paid their local section dues, members' families, ACS members and AIChE members. The cost to members who have NOT paid their local section dues and to non-members is \$17. The dinner cost at Purdue University Northwest is \$10 to Section members who have paid their local section dues, members' families, visiting ACS members and AIChE members. The cost to members who have NOT paid their local section dues and to non-members is \$12. Dinner reservations are required and should be received in the Section Office via phone (847-391-9091), email chicagoacs@ameritech.net or website <http://chicagoacs.org/meetinginfo.php?id=124&ts=1510940928> by noon on Tuesday, December 12.

Lecture is Free (please register in advance)

See website at www.chicagoacs.org for full details.



DON'T MISS THE PREMIER EVENT ON RESEARCH IN PARTICLE SCIENCE + TECHNOLOGY.

EARLY REGISTRATION NOW OPEN [CLICK HERE TO REGISTER](#)

APRIL 22-26, 2018 • ORLANDO WORLD CENTER MARRIOTT • ORLANDO, FL

KEYNOTE SPEAKERS:

- Hamid Arastoopour,
Illinois Institute of Technology
- Rustom Billimoria, *ExxonMobil*
- Philip Chi Lip Kwok,
The University of Sydney
- Jeffrey Elam,
Argonne National Laboratory
- Liang-Shih Fan,
The Ohio State University
- Masayoshi Fuji,
Nagoya Institute of Technology
- Benjamin Glasser,
Rutgers University
- Stefan Heinrich,
Hamburg University of Technology
- William Heumann,
Heumann Environmental
- Christoph Mueller, *ETH Zürich*
- Wolfgang Peukert,
*Friedrich-Alexander-Universität
Erlangen-Nürnberg*
- James Ritter,
University of South Carolina
- Jennifer Sinclair Curtis, *University
of California, Davis*
- Chris Sinko,
Bristol-Myers Squibb
- Shankar Subramaniam,
Iowa State University
- Chika Takai,
Nagoya Institute of Technology

FEATURED EVENTS

WCPT8 plenaries will cover a wide range of topics, from mesoscience to nature-inspired design, contact charging, and the future needs in R&D. Learn and interact with international leaders in the field of particle science and technology.

Monday, April 23, 2018

Contact Charging in Granular Materials
Heinrich M. Jaeger, *University of Chicago*

Tuesday, April 24, 2018

**Nature-Inspired Chemical Engineering –
A Pathway to Innovation in Particle Technolo-
gy**
Marc-Olivier Coppens, *University College London*

Wednesday, April 25, 2018

**Mesoscience: Opening a New Paradigm
of Particle Technology**
Jinghai Li, *Chinese Academy of Sciences*

Thursday, April 26, 2018

**An Industrial Perspective on the Future Needs
in Solids Processing Research and Education**
Karl Jacob, *The Dow Chemical Company*

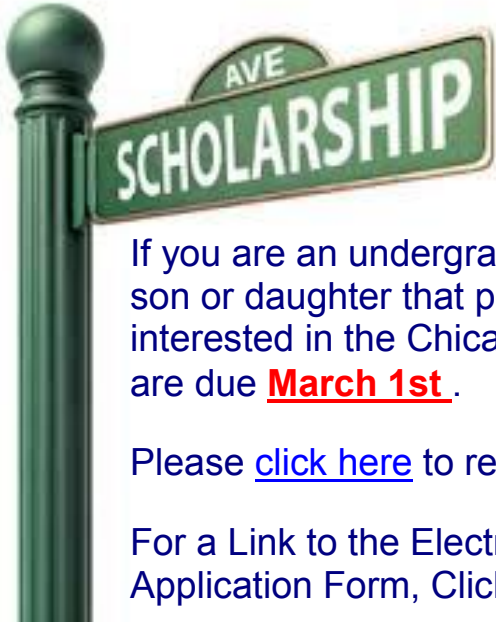
PLATINUM SPONSOR



GOLD SPONSORS



Attention Students and Parents!



If you are an undergraduate chemical engineering student or have a son or daughter that plans to study chemical engineering you may be interested in the Chicago Section's scholarship program. Applications are due **March 1st**.

Please [click here](#) to read rules and eligibility.

For a Link to the Electronic Version of the AIChE Chicago Scholarship Application Form, Click on the Link Below:

<http://form.jotform.us/form/42814483647159>

Reminder—Use your credits!

AIChE Global professional members get six free credits each year, good for live or archived content, with permanent access to the content selected. If you haven't used all your credits, they will expire at the end of the year.

Check out the archived webinars and conference presentations [available at the AIChE website](#), and be sure to renew your membership to get six free credits good for next year!

**Just a
reminder...**



Building a Global Community of ChEnections through AIChE®

Have you always thought about joining AIChE® but never got around to it?

Belonging to AIChE never looked better.

Accept my invitation to join AIChE and you'll be automatically entered to win up to \$350 in prizes throughout the year. To be eligible for the drawings, just enter the following on your application:

- The code: **COMMUNITY**
- Our **ENTITY** name along with first and last name in the field of "Who referred you to join?"

Chicago Section

Visit www.aiche.org/community/membership today and start building your **Global Community of ChEnections**.

Here's a sampling of the top benefits more than 53,000 AIChE members in 110 countries have taken advantage of:

- One-year subscription to **CEP Chemical Engineering Progress®** (in print and online). AIChE's flagship publication is included in your dues.
- Preferred rates on **AIChE conferences** — attend just one conference a year and your AIChE membership pays for itself
- Free, unlimited access to the **AIChE eLibrary**, featuring the Knovel® Life Sciences collection
- Six free annual credits to use on AIChE webinars and conference presentations from **AIChE Academy**
- Free **career resources** and **services**
- And much more...



Volunteers Needed for MRC 2018

If you have an interest in volunteering for Midwest Regional Conference activities, please contact Reza Mostofi and mostmoh@gmail.com. The MRC 2018 will be held March 13-14th, 2018 at IIT. More information is available at the conference website, www.aiche.org/chicago-midwest-regional-conference



Volunteers Needed for Chicago Local Section

The AIChE Chicago Section needs volunteers to help with:

- **House (Logistics) Committee** - Organize restaurant and food for monthly meetings
- **Newsletter Editing** - format, edit, and draft newsletters
- **Newsletter Contributions** - write meeting summaries, contribute photos, interview members, or write newsletter pieces
- **Welcoming and Registration** – help at registration desk for monthly meetings, develop membership initiatives
- **Awards** – coordinate nominations for AIChE awards

If you have an interest in either of these positions or if you want to volunteer for any other committee, please contact email aichechicago@gmail.com.

AICHE Chicago is now on Facebook and LinkedIn!



Like us on Facebook www.facebook.com/AICHEChicagoSection



Join our group on [LinkedIn!](#)

Upcoming AIChE Conferences, Meetings and Webinars

Chicago Local Meetings

Jan 25, 2018	January Monthly Meeting, Schaumburg
Feb 22, 2018	February Monthly Meeting, Northbrook
Mar 13-14, 2018	Midwest Regional Conference, IIT, Chicago
Apr 10, 2018	Annual Poster Session and April Monthly Meeting, UIC, Chicago

AIChE Conferences

Dec 13–15, 2017	<u>International Conference on Epigenetics and Bioengineering (Sponsored by SBE), Miami, FL</u>
Jan 8–10, 2018	<u>8th International Conference on Biomolecular Engineering (ICBE Asia 2018; Sponsor: SBE), Singapore</u>
Jan 8–11, 2018	<u>2018 LyondellBasell Sponsored CCPS Faculty Workshop, Houston, TX</u>
Mar 13–14, 2018	<u>10th Annual Midwest Regional Conference, Chicago, IL</u>
Apr 22-26, 2018	<u>2018 Spring Meeting and 14th Global Congress on Process Safety, Orlando, FL</u>

AIChE Webinars

Dec 13, 2017	<u>Sponsored Webinar: How to Safely Sample Fluid Heat Transfer Systems</u>
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Officers and Contact Information

Chair	Janet Werner
Chair Elect	Mike Schultz
Chair Programming	Beth Carter
	Robert Tsai
Secretary	Nick Guzman
Treasurer	Joe Guido
Directors at Large	Adam Kanyuh
	Dennis O'Brien
	Ellen Kloppenborg
House Committee	Arwa Hasan
Newsletter Editors	Azita Ahmadzadeh azita.ad@gmail.com
	Janet Werner Janet.werner8@gmail.com

AICHE CHICAGO SECTION

American Institute of Chemical Engineers
Chicago Section
13964 Doral Lane
Homer Glen, IL 60491
aichechicago@gmail.com



We want you for AIChE-Chicago!

We need your help!

How many opportunities can you find to learn project management, delegation and leadership skills for free? Becoming an officer in the Chicago Section of AIChE is such an opportunity. While you're learning new skills, your local network grows. Just about all of us are either undergoing a career change, contemplating a career change, or are wondering if our career will be changed for us. Volunteering with AIChE is a way to add skills and accomplishments to your resume.

aichechicago@gmail.com

<http://www.aiche.org/community/sites/local-sections/chicago/announcements/volunteerism>

Submitting Articles to AIChE Columns

We welcome email submissions for our monthly newsletter. Commercial announcements are subject to the fee schedule below. News stories, editorials, technical or career related non-commercial contributions are always welcome with no charge. We consider job postings, announcements of for-fee training courses, expositions, conferences as commercial. Categorization of announcements is at the sole discretion of the Chicago AIChE Board of Directors. Chicago AIChE may publicize activities of interest to our members by cooperating professional societies and other non-profits without charge.

AICHE Publicity Committee Fees	Academic (non-AICHE)		Company		Recruiters	
	Per Month	Per Year	Per Month	Per Year	Per Month	Per Year
Advertisements (3X3)	100	450	150	675	N/A	N/A
Half-Page (~7"x 4.5")	280	1260	420	1890	N/A	N/A
Job Posting (Size?)	50	225	100	450	250	N/A
Special Sizing	Contact Publicity Committee aichechicago@gmail.com					

For the purchase of a year ad, customers have the option of changing ads/jobs month to month. Online payment can be done using <http://www.cvent.com/d/9cq5pw/4W>

Student and AIChE Member Related Postings are Free.

