



virtuAICHE®

This month's meeting:

*Primary (with live discussion/live chat) Wednesday, May 25 at 9 pm ET (US) / 1 am GMT
Alternate 1 (with live discussion/live chat) Thursday, May 26 at 7 am ET (US) / 11 am GMT
Alternate 2 (with live discussion/live chat) Thursday, May 26 at 1 pm ET (US) / 5 pm GMT*

Evaluating our assumptions: the need for diverse perspective

By Elif Miskioğlu



Defining and justifying the validity of our assumptions is a cornerstone of engineering problem solving. While much of our education focuses on technical assumptions (does this gas behave ideally?), our society is shaped by social, historical, political, and behavioral assumptions. Using the ongoing COVID pandemic as a case study, this talk will assess the complexity of modern problem solving, the limitations of technology when not assessed in societal context, and the framework I use to engage students in diverse and multidisciplinary perspectives.



Dr. Elif Miskioğlu is a chemical engineering educator and engineering education scholar passionate about developing a stronger engineering workforce to contend with increasingly complex societal challenges. A faculty member at Bucknell University, her work focuses on the development of engineering expertise, with emphasis on problem-solving approaches and support structures for underrepresented populations in STEM.

***Note that registration for VLS meetings is required.
Our meetings are still free to attend and open to all.***

May Meeting Registration Information

Primary
(Live Presentation/Live Chat)
May 25 at 9 PM EST / 1 AM GMT
Register in advance for the
[Primary Meeting](#)

Alternate 1
(Recorded Presentation/Live Chat)
May 26 at 7 AM EST / 10 AM GMT
Register in advance for the
[Alternate 1 Meeting](#)

Alternate 2
(Recorded Presentation/Live Chat)
May 26 at 1 PM EST / 5 PM GMT
Register in advance for the
[Alternate 2 Meeting](#)

After registering, you will receive a confirmation email containing instructions for joining the meeting, along with add-to-calendar links.

AIChE News

The AIChE hosts technical conferences around the world. Check www.aiche.org/conferences for registration and presentation information for this year's events.

Dates	Event
May 26	Free Webinar: RAPID Manufacturing Institute® Presents MCPI (Modular Chemical Process Intensified)
Jun 1-3	Advanced Manufacturing and Processing Conference
Jun 7-9	2022 Process Development Symposium
Jun 19-24	NAMF Mixing XXVII
Jun 21-24	Modular Chemical Process Intensification Boot Camp
Jun 26-27	Diversity and Equity Accelerator through Learning for Startups
Jun 27-28	NDEW-ChE: National Diversity Equity Workshop for Chemical Engineering Academic Leaders
Jul 11-14	2022 Dow Sponsored CCPS Process Safety Faculty Workshop
Jul 20-22	4 th Cell Therapies and Immunotherapy Conference
Jul 24-29	ASEE/AIChE Summer School for Engineering Faculty
Jul 25-28	2022 BASF Sponsored CCPS Faculty Workshop
Jul 28-29	2022 International Mammalian Synthetic Biology Workshop (mSBW)

Upcoming VLS Meetings

The VLS has monthly meetings. The following meetings have firm dates and speakers.

Dates	Topic
May 2022	Evaluating our assumptions: the need for diverse perspectives
Jun 2022	Cybersecurity
Jul 2022	Python Demo: Pulling Data Using an Application Programming Interface
Aug 2022	Using Artificial Intelligence to Improve Toxicity Predictions When Developing Products or Processes
Sep 2022	Waste Biomass Digestion to Make Biofuels
Oct 2022	Converting CO ₂ to Ethylene

Past VLS Meetings

The VLS records its monthly meetings and archives them on the AIChE Academy website in case you missed a meeting or are looking for a particular topic. See below for current recordings.

Date	Event
Feb 2022	2022 Student Co-Op and Internship Competition hosted by Noah Meeks
Aug 2021	How can nuclear energy help fight climate change?
Jul 2021	Automation of Process Simulation and Data Analytics with MATLAB

Date	Event
Jun 2021	Chemical Fuels in Carbon Neutral Energy system
Apr 2021	Impactful Online Meetings
Feb 2021	Overcoming the Challenge of Applying Chemical Engineering Principles to the Art of Winemaking
Jan 2021	DIERS Technology Fundamentals II: VLS January 2021 Webinar
Nov 2020	Protecting Lives and Livelihood: Hazardous Materials Classification and its Impact to the Supply Chain
Oct 2020	Chemical Safety Board (CSB) Accidental Release Reporting Rule
Sep 2020	Internships and Undergraduate Education
Aug 2020	Physical Property Models to Design Better Chemical Products
Jul 2020	Julia - A Fresh Approach to Technical Computing
Jun 2020	The Next Digital Leap to AI (An Interactive Webinar)
May 2020	Challenges and Benefits of Remote Operator Training using Cloud-Deployed High-Fidelity, First-Principles Based Standard Operator Training Simulators (SOTS)
Apr 2020	NASEM Chemical Engineering in the 21st Century Study: Give your input!
Mar 2020	Is Your Focus Your Magic!
Feb 2020	DIERS data/standards in HAZOPS of two phase flow
Jan 2020	A Brief History of Measurement
Nov 2019	Using Thermal Imaging to Guard Industrial Facilities
Oct 2019	Python for chemical engineers: Getting started
Aug 2019	Reactive Chemical Hazards
Jul 2019	Should I Py or Should I Fortran?
Jun 2019	Design Considerations for Organic Electronic Materials and Devices
May 2019	Why Can't You Compete Without Virtual/Augmented Reality in Your Plant
Apr 2019	The Chemistry of Bourbon: The "spirit" of molecules
Mar 2019	Demystifying Professional Engineering Licensure and How to Put it to Work for you
Feb 2019	Municipal Wastewater and Sludge Are a Resource, Not a Waste: Coping with Tightening Water Supplies and Limited Landfill Availability

We're in this Together

The ongoing COVID-19 situation has provided us with a reminder that even in uncertain times, AIChE is a diverse community of people who lead, create, inspire and learn—together. AIChE is here to help. Knowing that many of our members are working virtually, AIChE has created this page to act as a hub for online content, access to communities, and communication updates. [Learn more.](#)

The Virtual Local Section's Executive Committee

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Did You Know?

You can visit [the VLS website](#) for more information on the Virtual Local Section's mission, activities, and membership. Also at this website, AIChE student members and VLS members can watch previous webinars for free.

Subscription Information

Current fully paid members of the Virtual Local Section receive this newsletter. If you wish to update your email address, contact the AIChE's New York Office for Permanent Address Corrections at xpress@aiiche.org or 1-800-242-4363.

Continuing Education Credits

Members of AIChE can receive 1 hour of continuing education/professional development credit for attending Virtual Local Section webinars. Send your name, the certificate number on your professional engineer's license, and the licensing entity (state or country) in which you are licensed to our Secretary, lg_environmental@bellsouth.net, to receive one hour of continuing education credit for attending this meeting.