

April Section Meeting: Grid-Scale Battery Energy Storage System Concepts and Safety

As the world continues to enact progressive climate change targets, renewable energy solutions are needed to achieve these goals. One such solution is large scale lithium-ion battery energy storage systems (BESSs) which are at the forefront in ensuring solar and wind generated power are delivered when grids need it most. However, the perceived risk of lithium-ion batteries due to recent events poses a risk to their future success. The presentation will be three-fold, firstly presenting the basic terminology, build up, and operation of BESSs to explain the niche they fill within the electrical energy market. Secondly, highlighting outcomes of fires and explosions at BESSs and lessons learned on appropriate design and safe operation of BESSs. Lastly, discussing some of the latest International Fire Code requirements for this technology.

April Section Meeting

Topic: Grid-Scale Battery Energy Storage System Concepts and Safety

Speaker: Veronica Goldsmith, Senior Fire Protection Engineer, Arup

Date: Tuesday, April 25th

Time: 6:00 – Introduction
6:05 - Career Discussion
6:15 - Technical Presentation
7:15 – Q & A

Cost: Free

REGISTRATION REQUIRED. More information can be found on our [website](#).

[Register](#)

After you register, you will receive instructions via email for joining the meeting.



WE NEED VOLUNTEERS!

We are looking for officers for our next program year including Program Chair, Treasurer, and Secretary. Won't you consider being a part of the team? If you would like more information about the positions, please contact the current officer for a description of their duties and volunteer!

We need your ideas and help to make next year's program another outstanding year! Please contact Marc Paffhausen if you are interested.

Speaker Biography: Veronica Goldsmith is a Senior Fire Protection Engineer at Arup specializing in holistic solutions for risk reduction and code compliance. She is involved in Science, Industry, Technology, and Energy projects globally and is based in Portland, Oregon.

Officer Duties

The Officers of the Section shall be a Chairman, a Program Chairman, a Secretary and a Treasurer, who together with two other members of the Section, shall constitute the Executive Committee. The retiring chairman of the Section shall automatically become one of the "two other members" of the Executive Committee for one year. All officers must be MEMBERS or ASSOCIATE MEMBERS of the American Institute of Chemical Engineers.

The Chairman, or in his/her absence the Program Chairman, or in his/her absence, the Secretary, or in his/her absence the Treasurer, shall preside at all meetings of the Section.

The Secretary shall keep a record of the proceedings of the Section and shall, under direction of the Chairman, issue notices of meetings to the members. Immediately after the Annual Meeting, the secretary shall make a report to the Secretary of the American Institute of Chemical Engineers outlining the activities of the Section during the year.

The Treasurer shall be charged with the collection and disbursement of funds as authorized by the Executive Committee. At the first Section meeting of each fiscal year, the treasurer shall present a financial report.

AIChE Meetings

2023

- April 18-20 [4th Engineering Cosmetics and Consumer Products Conference](#)
Plainsboro, NJ
- May 1-4 [2023 OffShore Technology Conference](#)
Houston, TX
- May 10-11 [1st PD2M Workshop on Reaction Engineering in the Pharmaceutical Industry](#)
Philadelphia, PA
- May 30-Jun 2 [2023 Synthetic Biology: Engineering, Evolution and Design \(SEED\)](#)
Los Angeles, CA

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The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.

MEETING SCHEDULE

The Rocky Mountain Local Section (RMLS) of AIChE generally meets the second or third Tuesday of every month, September through May.