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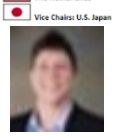

Wednesday, July 21, 2021, 10 AM (has past, free webinar with presentations on CLE AIChE Newsletter Website)

Global Hydrogen Safety Codes & Standards

Webinar Sponsored by: AIChE Academy, Institute for Learning & Innovation, and the Center for Hydrogen Safety (CHS)
Hosted by: Jennifer Hamilton, Program Manager; Safety, Education, Codes & Standards

Abstract: As the emerging hydrogen transportation and stationary power markets grow, so have codes and standards which promote safety. Recently, there have been efforts to harmonize these documents to accommodate a global market. This AIChE webinar to better understand today's model codes and major standards, where harmonization is taking place and its potential implications hand how your new applications have been-or will be-affected.

Those directly involved in the development of codes and standards as well as those doing the research that feeds into the proposed changes to existing documents will present. A clear idea of what can be done now in response, where to put resources and how to plan for future energy storage and fueling projects, equipment and design. Exploration of where the needs are for new applications and what activities are happening to fill in the gaps. Some walkaway skills from webinar are as follows:

- Understand at a high level of the codes and standards landscape for hydrogen and fuel cells application
- Recognize and apply the appropriate documents to your area
- Analyze and make sense of necessary additions or changes
- Identify the correct groups to join for document revision or development

Speaker Bios:

1. Jennifer Hamilton, Has been with the California Fuel Cell Partnerships since 2006. She actively participates with and supports the development of national and international safety, codes & standards. She also leads the hydrogen education and outreach to the emergency response and permitting official communities.

2. Dr. Nicholas Hart, Compliance Officer ITM Power, ITM Power is an electrolyser (hydrogen generator using water electrolysis) manufacturer based in Sheffield, UK. Nick leads the compliance activities for ITM's electrolyser and refueling station products and operations. As part of this activity, Nick has become UK lead expert to International Standards Organisation (ISO) Technical Committee (TC) ISO TC 197 developing standards and technical guidance for hydrogen technologies, also UK lead expert to the Comite'.Europe'en de Normalisation (CEN) TC268 WG5, preparing standards harmonized to the European Directive 2014/94/EU on alternative fuels infrastructure.

He is chair of the British Standards Institute (BSI) committee PVE/3/8 that contributes to these international committees, and is also secretary of the British Compressed Gases Association (BCGA) technical subcommittee (TSC) 9 developing UK national standards relating to alternative fuels.

Further to this, Nick is the chair of the FCH JU Regulation Codes and Standards (RCS) Strategy Coordinating Group (SCG), and also an active member of the SAE FCEF Interface Task Force, the informal GTR13 working group and the CEN/CENELEC Sector Forum Energy Management (SFEM) Working Group Hydrogen.

3. Dr. Chris LaFleur, PE, Program Lead for Hydrogen Safety, Codes, and Standards, Sandia National Laboratories, Albuquerque, NM, where she is responsible for the fire risk program activities and conducting research on the fire risks of emerging energy technologies. Before joining Sandia, she worked at General Motors and Parsons Engineering Science. She has represented the U.S. in the development of hydrogen codes and standards for maritime applications and serves as a member of the sprinkler discharge criteria committee of NFPA 13. Installation of Sprinkler Systems, and NPFA 2, Hydrogen Technologies Code, and she also serves on the

(continued) AIChE's Center for Hydrogen Safety's Hydrogen Safety Panel.
LaFleur earned a BS in geology and mechanical engineering from the University of Rochester, an MS in fire protection engineering from the University of Maryland, and a doctorate of engineering in manufacturing engineering from the University of Michigan. She is a licensed professional engineer.

The AIChE Webinar was from a Google Meets virtual meeting format. There are no arrangements through the AIChE link below for this webinar.

Meeting Location: ***N/A (this AIChE Webinar has occurred in the past)***

Cost: (no cost)

Menu: (no meal)

No PDH Certificate is available for this past webinar. However, the presentations are available on the CLE AIChE Website under Newsletters, July 2021 for your reference.