

Dear Colleagues,

Please **"SAVE THE DATE"** for the U.S. Department of Energy, National Energy Technology Laboratory's (NETL) **2021 *Virtual* Workshop on Multiphase Flow Science**. Due to the ongoing COVID-19 situation, this year's workshop will take place as an on-line, virtual meeting from **Tuesday, August 3 through Thursday, August 5, 2021**.

This event brings together international leaders from industry, academia and government laboratories working in multiphase flow sciences to discuss current research projects and discuss future research and development needs in Multiphase Flow Science including gas-solid, liquid-solid, gas-liquid, and gas-solid-liquid multiphase flow. Industrial presenters are encouraged to attend and to share their experiences and specific applications in this area.

Tuesday August 3 and Wednesday August 4, 2021 will be dedicated to pre-recorded technical presentations. On Thursday August 5, 2021, NETL researchers will provide demonstration and training sessions on the latest release of NETL's MFiX Software Suite and associated software toolsets.

Call for Presentations: You are invited to submit a brief abstract for a 15-minute pre-recorded PowerPoint presentation to be played during the technical sessions. The pre-recorded presentation will be followed by a 5-minute live Q&A session where the presenter will have an opportunity to answer questions from attendees.

Please submit your abstracts by **May 15, 2021** to workshops@mfix.netl.doe.gov . The final agenda will follow by **June 15, 2021**. Pre-recorded presentations will be due by **July 15, 2021**.

The conference will cover topics in:

- Fundamental research in multiphase flows
- Advancements in CFD model development for multiphase flows
- Application of multiphase CFD to industrial systems such as gasification, combustion, fossil fuel extraction and utilization, chemical processes, etc.
- Novel measurement techniques in multiphase flows
- Application of uncertainty quantification techniques in multiphase flow simulation
- Optimization and reduced order modeling of multiphase systems
- Machine Learning techniques for accelerating complex physics

The official invitation and a meeting registration website will be forthcoming soon. Please set these dates aside and register promptly when the registration link becomes available. If you have any questions or require more information, feel free to contact us at workshop@mfix.netl.doe.gov

Sincerely,

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