CALL FOR ABSTRACTS

A symposium on applications and enhancements to the TOUGH codes for multiphase fluid, heat, and chemical transport will be held at the Lawrence Berkeley National Laboratory (LBNL), October 8–10, 2018. The TOUGH Symposium 2018 will consist of oral and poster presentations and include a welcome reception and banquet dinner featuring an invited talk.

Depending on demand, Short Courses on select TOUGH codes will be offered immediately preceding and/or following the symposium.

Symposium Purpose

The purpose of the symposium is to bring together users of the TOUGH family of codes (which includes TOUGH2/TOUGH3, iTough2, TMVOC, TOUGH+, TOUGHREACT, TOUGH-FLAC, TOUGH2-MP, and more) for an open exchange on applications and recent code enhancements.

Papers are solicited in all areas of TOUGH applications, including:

- Modeling of coupled (thermal, hydrological, chemical, mechanical, biological, geophysical) processes in porous and fractured geologic media
- Geologic carbon dioxide storage and utilization
- Geothermal reservoir engineering
- Performance assessment of nuclear waste repositories
- Hydrocarbon recovery, including methane hydrates
- Vadose zone – atmosphere interaction
- Fate and transport of volatile organic compounds
- Reactive transport modeling
- Water resources management, including surface water – groundwater interaction
- Design and analysis of laboratory and field experiments
- Automatic model calibration and uncertainty analysis
- Code verification and validation
- Enhanced process capabilities and user features
- Numerical methods, grid generation, and parallel computing

Important Dates:

- Abstracts Due: April 18, 2018
- Notification to Authors: May 2, 2018
- Extended Abstract Submissions Due: June 27, 2018
- Welcome Reception: October 7, 2018
- Symposium: October 8-10, 2018
- Short Courses (tentative): October 3-5, 2018; October 10-17, 2018

To submit an abstract and for more information, visit the Symposium Website https://eesa.lbl.gov/2018-tough-symposium

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