



# ASTFE

American Society of Thermal and Fluids Engineers

## 2<sup>nd</sup> Thermal and Fluids Engineering Conference (TFEC)

“Engineering Challenges for the Betterment of Society”

and

## 4<sup>th</sup> International Workshop on Heat Transfer (IWHT)

“Advances for Energy Conservation and Pollution Control”

### April 2-5, 2017, Las Vegas, Nevada, USA

[www.astfe.org/tfec2017/](http://www.astfe.org/tfec2017/)

### CALL FOR PAPERS

The 2017 American Society of Thermal and Fluids Engineers (ASTFE) Conference and 4th International Workshop on Heat Transfer (IWHT) will be co-located and held April 2-5, 2017 in the Rio Hotel & Casino in Las Vegas, NV. ASTFE is the premier international society by and for professionals within the thermal and fluids science and engineering community. The IWHT provides an international forum for exchange of latest technological information on heat/mass transfer problems in areas pertinent to energy conservation and pollution control. The 2017 ASTFE and IWHT conference and workshop provide an international forum for the presentation of the latest research and knowledge as well as for dissemination of high-quality research and development results in the thermal and fluid sciences. **Authors are invited to submit abstracts covering, but not limited to, the following areas:**

#### ASTFE2017 – 2nd Thermal and Fluids Engineering Conference (TFEC)

- Aerospace Applications
- Fluid Flow/Heat Transfer in Biosystems
- Combustion, Fire and Fuels
- Computational Methods/Tools in Thermal-Fluid Systems
- Thermo-Fluid Education
- Energy and Sustainability
- Energy-Water-Food Nexus
- Engineering Equipment and Environmental Systems
- Engineering Fundamentals and Methodology
- Experimental Methods/Tools and Instrumentation in Fluid Mechanics and Heat/Mass Transfer
- Fundamentals in Fluid Flow and Heat/Mass and Momentum Transfer
- Fluid Flow and Heat Transfer in Industrial and Commercial Processes
- Flow and Heat Transfer in Materials Processing Science and Manufacturing
- Electric, Magnetic, Flow and Thermal Phenomena in Micro and Nano-Scale Systems
- Fluid Flow and Heat Transfer Multiphase Phenomena
- Natural and Built Environments
- Other Related Areas
- Plasma Physics and Engineering
- Transportation
- Flow in Internal Multiphase Flows
- Flow Instability
- Fluid Measurements and Instrumentation
- Fluid Mechanics and Rheology of Nonlinear Materials and Complex Fluids
- Measurement and Modeling of Environmental Flows
- Multiphase Flow
- Turbulent Flows
- Wind Turbines Aerodynamics and Control

#### IWHT2017 – Heat (and Mass) Transfer Advances for Energy Conservation and Pollution Control

- Advanced Energy Systems
- CFD and Numerical Heat/Mass Transfer
- Energy Conservation and Storage Techniques
- Environmental Heat/Mass Transfer
- Heat/Mass Transfer at High Temperatures
- Heat/Mass Transfer enhancement techniques
- Heat/Mass Transfer in Compact Heat Exchangers
- Heat/Mass Transfer in Pollutant Emission Control Systems
- Heat/Mass Transfer in Porous Media
- Heat/Mass Transfer in Renewable and Clean Energy Systems
- Micro/Nano Heat/Mass Transfer
- Multiphase Heat/Mass Transfer
- Radiative Heat Transfer
- Other Related Areas

Authors will have options to present their research work as presentation only, extended abstract (maximum of 4 pages), or full-length paper. The conference proceedings will contain both peer-reviewed extended abstracts and papers, and will be distributed in a digital form, ASTFE Digital Library. Authors will also have the option to submit their conference full papers to a technical journal of their choice after the conference. The conference full papers should have significant changes made before submitting to any journals. The same conference full paper cannot be submitted to any journals publication. Authors may share their original manuscripts with public but must include a citation and a link to the published paper (conference paper or journal paper).

**SUBMIT YOUR PAPER ABSTRACT BY JULY 12, 2016 AND PRESENTATIONS ONLY BY NOV. 11, 2016**  
TO: <http://submission.astfe.org>

Please check <http://astfe.org/tfec2017/> regularly for conference updates or contact any member of the organizing committee for further inquiries.

### DEADLINES

- 12-Jul-16** Abstracts Due
- 15-Jul-16** Notification of Abstract Accept/Decline
- 16-Sep-16** Draft Paper/Extended Abstracts Due
- 28-Oct-16** Draft Paper/Extended Abstract Reviews Completed
- 11-Nov-16** Presentations only abstracts deadline/Authors Notified of Paper/Abstract Status
- 16-Dec-16** Revised Manuscript Due
- 13-Jan-17** Final Paper/Extended Abstract Due

### ORGANIZATION COMMITTEE

- Conference Chair:** Francine Battaglia, Virginia Tech ([fbattaglia@vt.edu](mailto:fbattaglia@vt.edu))
- Conference Co-Chair:** Darrell W. Pepper, University of Nevada ([darrell.pepper@unlv.edu](mailto:darrell.pepper@unlv.edu))
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