



WORKSHOP ANNOUNCEMENT and CALL FOR ABSTRACTS

LOCATION AND DATES

The 14th International Workshop on the Physics of Compressible Turbulent Mixing (14th IWPCTM) will be held at the [Hilton San Francisco Financial District Hotel](#) in San Francisco, California, USA, from 31 August–5 September 2014. The workshop is hosted by the [Lawrence Livermore National Laboratory](#) (LLNL). Information on previous workshops is available [here](#).

TOPICS AND FORMAT

Topics:

The scientific program will occupy approximately four and one-half days and broadly cover the following topics:

- Theoretical studies of compressible and variable-density turbulent mixing induced by Rayleigh–Taylor, Richtmyer–Meshkov and Kelvin–Helmholtz instabilities
- Numerical simulations and modeling of compressible and variable-density turbulent mixing, e.g., direct numerical simulation, large-eddy simulation and Reynolds-averaged modeling
- Experimental studies of compressible and variable-density turbulent mixing
- Applications of turbulent mixing, e.g., inertial confinement fusion, astrophysics, high-energy density physics and materials science

Format:

The format is similar to that of previous workshops, and will consist of both oral and poster presentations. Plenary presentations that summarize progress, the current state-of-the-art, and future directions in the areas of theory, modeling, simulation, and experiment are also planned. Informal ‘round-table’ discussion sessions will also be conducted. A program summary will be available at the workshop (abstracts and the summary will be posted on the workshop website). Presentations and posters presented at the workshop

will be available on the website following the conclusion of the workshop. Authors of plenary and contributed presentations will be invited to submit their material for publication in a peer-reviewed journal following the conclusion of the workshop.

Further Information:

More detailed information on the workshop, announcements and important dates, submission of abstracts, lodging and transportation, registration, schedule, proceedings, organizers, and previous workshops is available on the official website

<https://iwpectm.llnl.gov/>.

Note that the website will be available after 15 April 2014.

Please forward this announcement to other colleagues that may be interested in attending the workshop.

ABSTRACT SUBMISSION

Authors are invited to submit an abstract in English limited to 1,300 characters (including title, authors, affiliations, body, spaces, figures, and references) for both oral and poster presentations by **15 May 2014**. Abstracts must be in PDF format, and should be sent by e-mail to iwpectm14@llnl.gov with the subject line IWPCTM14 Abstract (Oral) or IWPCTM14 Abstract (Poster). Notification of acceptance of oral and poster presentations will be made by **15 June 2014**.

REGISTRATION

In order to attend the workshop, you must register at the official website. The registration fee will include the program summary, the welcome reception, and refreshments during morning and afternoon breaks. An additional fee will be payable if you (and any companions) wish to attend the banquet. Registration must be completed by **15 August 2014** in order to attend the workshop. There is no late registration.

RECEPTION AND BANQUET

A welcome reception will be held during registration at the hotel from 17:30–20:00 on Sunday, 31 August 2014. The conference banquet will be held on Tuesday, 2 September 2014 from 19:00–21:00 at [Morton's™ The Steakhouse](#). Additional details will be available later on the workshop website.

TECHNICAL AND ADMINISTRATIVE CONTACTS

Please direct your inquiries regarding the workshop to iwpctm14@llnl.gov

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ORGANIZING COMMITTEE

Local Organizer

O. Schilling, Lawrence Livermore National Laboratory, United States (Chairman)

International Scientific Committee

M. Andrews, Los Alamos National Laboratory, United States

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