

WORK-IN-PROGRESS POSTERS

The Combustion Institute Website is now open to accept Work in Progress Posters (WiPP). The WiPP is a way to provide a forum for presentation and discussion of work in progress. Poster sessions will be scheduled to run concurrently with contributed oral sessions. Presentation in WiPP Sessions will be determined on the basis of a **one-page abstract**. A full-length paper is not required. All submissions must be in before **midnight PDST (GMT -7hrs) 25 April, 2014**. Authors **must** indicate their choice of Colloquium. The Colloquium choices are:

- **Reaction Kinetics** including the kinetics of hydrocarbon and oxygenated fuels, NO_x and SO_x, mechanism generation, reduction and simulation of reaction systems.
- **Soot, PAH and Other Large Molecules** such as dioxins and fullerenes including the physical and chemical processes affecting their formation, growth, and destruction.
- **Diagnostics** including the development and application of diagnostic techniques and sensors for the understanding and control of combustion phenomena.
- **Laminar Flames** including experiments, theory, and simulations applied to premixed, non-premixed, and partially premixed flames along with their ignition, extinction, stabilization, instabilities, and interactions with flows.
- **Turbulent Flames** including experiments, theory, simulations applied to premixed, non-premixed, and partially premixed turbulent flames, and fundamental aspects of combustion dynamics.
- **Heterogeneous Combustion and Material Synthesis** including fundamental aspects of combustion of solid fuels (e.g., coal, char, and biomass, including pyrolysis, gasification, and ash formation) as well as combustion of propellants and metals, and catalytic combustion.
- **Spray and Droplet Combustion** including experiments, theory, and simulations applied to droplets, sprays, atomization, and supercritical combustion.
- **Detonations, Explosions and Supersonic Combustion** including pulse-detonation, constant volume combustion and scramjet engines.
- **Fire Research** including fundamental aspects of fires (in normal and reduced gravity), flame spread, combustion suppression as well as applications to building construction and urban/wildland fires.
- **Stationary Combustion Systems and Environmental Impact** including CO₂ capture processes, combustion in fluidized beds, incineration, utility boilers, plants and industrial applications.
- **IC Engine, Gas Turbine Combustion, and Rocket Combustion** including modeling, simulation, and experiments on phenomenological aspects of engines (direct injection, spark ignition, diesel, and low temperature combustion), gas turbines (for propulsion and power generation), and rocket-propulsion (including gaseous, solid, liquid and hybrid propulsion) as well as fuels research and combustion dynamics (ignition, quenching, thermoacoustics) for these applications.
- **New Technology Concepts, Reacting Flows, and Fuel Technology** including mini- and microcombustors, mild combustion, plasma-aided combustion, oxy-fuel combustion, hydrothermal reaction, and other novel combustion processes.

The WiPP abstract submissions will be reviewed. Authors will be notified of accept/reject decision for WiPP around 19 May, 2014. The posters presented in WiPP Sessions will not be published in the *Proceedings of The Combustion Institute*. The sessions will be organized by the Work-in-Progress Poster Co-Chairs: Matthias Ihme, Stanford University, USA; Ahren Jasper, Sandia National Laboratories, USA; Judit Zádor, Sandia National Laboratories, USA.

If you have any questions or need assistance, contact the CI office, office@combustioninstitute.org.