**CALL FOR PAPERS**

**Track 28- Urban Fluid Mechanics Symposium**

4th Joint US-European Fluids Engineering Summer Meeting  Hyatt Regency McCormick Place, Chicago, IL, USA - August 3-7, 2014

<https://www.asmeconferences.org/FEDSM2014/>

World populations live more and more in cities and conurbations. Moreover, climate change and sustainable development issues raise challenges on the way cities are designed. Among the tools that city planner should not ignore are the various outcomes of fluid dynamics for the urban environment, with are ubiquitous:

* Dispersion of pollutants at various scale (buildings, district, city);
* Wind effect on buildings;
* Wind effect of transportation systems and pedestrian walk;
* Flow of water during floods, in particular in case of a flash submersion due to a dam break or other reason;
* Urban weather and climate, urban heat island;
* Fires at the wildland / urban interface.

Several tools may be used to assess these challenges, for example:

* Analytical and simplified models;
* Hydraulics;
* computationnal fluid mechanics;
* Small scale models ;
* Field measurements.

The aim of this workshop is to gather expertise from these fields to foster a multidisciplinary discussion of the main issues identified above.

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PAPER SUBMISSION AND SELECTION

Prospective authors are invited to submit an abstract using ASME web based tool box (<https://www.asmeconferences.org/FEDSM2014/>). The abstract should be approximately 400 words stating clearly the objectives, results and conclusions. After notification of abstract acceptance, a full manuscript is to be submitted for peer review. Accepted manuscripts will be published in the Proceedings in CD-ROM format, and have to be prepared according to the ASME standard format for a conference paper (see www.asme.org). The recommended final paper length including figures is six to ten pages. Requested/selected papers will be considered for publication in the Journal of Fluids Engineering subject to the journal’s peer review process.

**Deadlines**

Submission of Abstract for Review: November 25, 2013

Submission of Draft Paper for Review: February 3, 2014

Notification of Paper Acceptance / Revision Requirements: March 10, 2014

Submission of Final, Accepted Paper: May 5, 2014

**Organizers:**

Dr Pierre Carlotti, CSTB, France

Dr Ning Zhang, McNeese State University

Prof. Harindra J. Fernando, University of Notre Dame