



Second International Workshop on the **APPLICATIONS OF FINE AND ULTRAFINE BUBBLES**

This workshop will provide attendees with an exposure to the different fields in which fine and ultrafine bubbles have been advantageously used. These include: advanced water/wastewater treatment, mineral processing, chemical and biochemical multiphase reactors, open-pen and land-based aquaculture, large-scale algae-culture, hydroponic agriculture, fabrication of porous metals, production of foamy materials, deoxygenation of boiler feed water, and reducing the drag on ship hulls and in pipelines.

Due to the rapid pace of development in this field, it is necessary to provide a forum in which some of the world's leading experts (from industry and academia in Japan, China, Germany, USA, and Canada) can share their experience with the user community. Conversely, these experts will gain better understanding of the obstacles that need to be overcome in order to enhance the benefits gained by using this innovative technology in the various fields.

Dates:

October 24-25, 2019, Dalhousie University, Halifax NS, Canada. Deadline for abstract submission is July 1st, 2019.

Format:

This year's workshop occurs directly after the Canadian Chemical Engineering Conference (October 20-23, 2019, www.ccec2019.ca). Workshop participants are encouraged to attend and present their work at the CCEC conference. Further information may be obtained by contacting Ms. Julie O'Grady as shown below.

The workshop will provide an environment that will allow the developers and providers of fine/ultrafine bubble technologies to interact with the end users, so they can share their experiences and their ideas. It will feature a panel of experts, thematic roundtable discussion groups, and poster presentations will provide an opportunity for one-on-one interactions with the experts. State-of-the-art reviews will be offered to acquaint inexperienced attendees with the benefits associated with the use of fine/ultrafine bubbles. Commercial technology providers and emerging researchers will also be provided with an opportunity to present and showcase their most recent developments.

Organized by: The International Multiphase Processing R&D Consortium

- Keio University Japan (*Prof. Dr. Terasaka K.*)
- Hamburg University of Technology, Germany (*Prof. Dr. Schlüter, M.*)
- Dalhousie University, Canada (*Dr. Al Taweel A.M. P.Eng.; Dr. Donaldson A. P.Eng.; Dr. Haelssig, J.*)

Workshop Registration Fees: C\$ 250 per person.

For more information, or to inquire about sponsorship/exhibition opportunities, please contact:

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