Investigation of bubble swarm drag at elevated pressure in a contaminated system (use the “Title” style)

Chris Lane1, Valois Parisen2, Arturo Michele Macchi2,\*, Adam Donaldson1,\* (use the “Authors” style)

1 Department of Process Engineering and Applied Science, Dalhousie University, Halifax, NS, Canada

2 Department of Chemical and Biological Engineering, University of Ottawa, Ottawa, ON, Canada (use the “Affiliation” style)

\*Corresponding author(s): arturo.macchi@uottawa.ca (A.M. Macchi); adam.donaldson@dal.ca (A. Donaldson) (use the “Corresponding” style)

# Summary (use the “Heading 1” style)

These instructions guide the formatting of short abstracts published in the Proceedings of the 15th International Conference on Gas-Liquid and Gas-Liquid-Solid Reactor Engineering (GLS-15). The summary section should describe the objectives, methodology and main conclusions of the presented work in less than 200 words. It must not contain tables, graphs, illustrations, equations, or references. Use the “Body Text” style to write this section.

The author names shall be constructed in the format of first-name/given-name, middle-name (if any) followed by the last-name/surname/family-name. The name of the speaker for this submission at the conference shall be underlined. For example, Valois Parisien. At least one author of each accepted submission shall register for and attend the conference and shall present the work at the conference in accordance with the applicable presentation schedule and style (oral or poster).

**Keywords:** Please type 3-6 keywords here, separated by commas. (use the “Keywords” style)