

Special Issue

Smart Flow Control Processes in Micro Scale

Message from the Guest Editors

Dear Potential Contributor, A smart control process has been proposed for many years, while for the smart flow control, especially when “smart flow control” originates at the micro scale, it turns out that many new innovations and enabling technologies are possible. For instance, the precise flow rate in a micro-reactor means a high reaction efficiency. Similarly, for micro-mixers, a smart fluid control can improve the precise distribution of every constituent. Such systems are made up of micro-pumps, micro-channels, micro-valves, and so on.

In this Special Issue on “Smart Flow Control Processes at Micro Scale”, we welcome review articles and original research papers, fundamental or applied, theoretical, numerical, or experimental, on flow at a micro scale.

Topics include, but are not limited to, the following:

- Flow control
- Heat transfer
- Mass transfer
- Microchannel
- Micro reactors
- Multiphase flow
- Nanofluidics
- Nanofluids
- Process design
- Process control
- Smart control

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Deadline for manuscript submissions

closed (31 October 2019)



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