Special Issue

Smart Hydraulics in Wastewater Transport

Message from the Guest Editor

In the engineering and operation of systems for wastewater collection, transportation and treatment, applied hydraulics is of undisputed importance. When talking about “smart” hydraulics in wastewater, one can think of several interpretations:

- Using advanced hydraulic calculations in designing and operating wastewater systems (e.g., flow patterns in reactors).
- Using advanced measuring techniques (e.g., PIV, PTV) for design purposes.
- Applying knowledge on hydraulic phenomena hitherto ignored or avoided (e.g., vortices or pre-rotation pump sumps) because of a limited understanding of their benefits or the risk they represent to damaging equipment or endanger system performance.

The proposed Special Issue on “Smart Hydraulics in Wastewater” aims at (but is not limited to) addressing the afore mentioned fields of interest. Manuscripts may address fundamental and applied research, while well documented case studies are welcomed as well. As a lot of challenges with respect to wastewater hydraulics are related to multiphase flows, contributions in this field of interest are encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2018)

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
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