

## Special Issue

# Modeling, Control, and Optimization of Multi-Generation and Hybrid Energy Systems

### Message from the Guest Editors

We invite you to make submissions to this Special Issue of *Processes* focused on “Modeling, Control, and Optimization of Multi-Generation and Hybrid Energy Systems”. Reliable and sustainable energy remains a major challenge today with no single solution. By combining energy technologies and resources in innovative ways, process synergies can be created and leveraged in ways that maximize energy efficiency, minimize total cost, minimize environmental impact, etc. This Special Issue seeks novel research contributions in, but not limited to, the following areas:

- Simulation, control, and/or optimization of complex energy systems
- Detailed analysis of novel energy system configurations
- Combined heat and power systems
- Multi-generation systems where multiple useful products are produced simultaneously (e.g., power and fresh water, power and chemicals, heat and cooling)
- Renewable energy
- Simulation and analysis of systems incorporating multiple energy types as inputs (e.g., solar and natural gas, wind and nuclear, etc.)
- Systems and optimization/control techniques that leverage energy storage in novel ways

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### Guest Editors

Dr. Kody Powell

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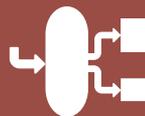
Dr. Kasra Mohammadi

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### Deadline for manuscript submissions

closed (10 June 2020)



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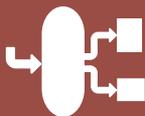


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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto  
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