Processing and Conversion of Oil and Gas: Modeling, Control, Simulation and Optimization

Guest Editor:

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Deadline for manuscript submissions:
closed (30 December 2022)

Message from the Guest Editor

Topics include, but are not limited to applications in the following areas:

- Oil and gas process design and equipment sizing
- *Petrochemical process control*
- *Numerical simulation, modeling, and optimization of petrochemical processes*
- Oil and gas processing
- Oil and gas refining
- Fuel and biofuel processing and production
- Energy-saving, economic evaluation, and material integration in petrochemical processes
- Optimization of petrochemical process capacity and operating conditions
- Monitoring safety and operational issues in petrochemical plants
- Energy from combustion and power generation
- Hydrogen energy production and utilization
- Industrial waste recovery and utilization
- Handling of greenhouse gas (GHG) emissions including carbon dioxide
- Waste derived fuels (WDF) from petrochemical industries
- Advanced separation techniques for petrochemical industries
- Performance comparison, evaluation, and optimization of petrochemical software tools

Special Issue

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