# **Special Issue**

# Thermodynamics, Geometry and Control Theory

# Message from the Guest Editor

This Special Issue of the journal will be devoted to the following topics of thermodynamics and its applications:

- Thermodynamics of complex systems equipped with inner structures and inner symmetries. Methods of finding and study their state Lagrangian manifolds and state equations.
- Critical phenomena and phase transitions for solutions of non-linear PDEs and especially critical phenomena in fluid motions.
- Phase transitions, critical exponents, and their relations with theory of Lagrangian singularities.
- Control theory of thermodynamical processes, and especially processes with phase transitions.

Prof. Dr. Lychagin Valentin

## Guest Editor

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## Deadline for manuscript submissions

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# Message from the Editor-in-Chief

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