**Scope:** COMPENG is intended to provide an international forum for experts and professionals working on the latest developments in the analysis and control of complex systems and their application in an engineering perspective. Authors are encouraged to submit papers on their research in complexity science and engineering considering, but not being limited to, the following topics:

- Agent-based systems
- Big Data and data-driven systems
- Bio-physics, stochastic processes and noise
- Complex Networks
- Critical Infrastructures, transportation systems, realtime management
- Dynamics in Memristor circuits
- Machine Learning
- Laser dynamics and optoelectronic systems
- Plasma control and nuclear fusion
- Control in sensor and actuator networks
- Smart grids

**Venue:** The Galileo Galilei Institute for Theoretical Physics, Largo Enrico Fermi 2, 50125 Firenze (ITALY)

**Important Dates:**
- Deadline for abstract/papers submission: May 31, 2018
- Acceptance/rejection notification: July 1, 2018
- Deadline for Early registration: July 31, 2018

COMPENG 2018 is a workshop organized by the National Institute of Optics (CNR-INO), the Institute of Complex Systems (CNR-ISC), the University of Florence and the National Institute of Nuclear Physics (Florence) in cooperation with the IEEE Italy Section.

Accepted papers will be published in the Conference Proceedings on the IEEE Xplore Digital Library.