Modeling and Optimization of Complex Engineering Systems under Uncertainties

Guest Editors:

**Dr. Debiao Meng**
School of Mechanical and Electrical Engineering, University of Electronic Science and Technology of China, Chengdu 611731, China
dbmeng@uestc.edu.cn

**Dr. Shui Yu**
School of Mechanical Engineering, Southwest Jiaotong University, Chengdu 610031, China
h2oyu@swjtu.edu.cn

Message from the Guest Editors

The aim of this Special Issue is to establish an academic forum between experts and scholars and come to an agreement regarding the current state of this research field; draw a roadmap of where research is headed, highlight issues, and discuss their possible solutions; and provide the data, models and tools necessary for performing complex system modeling and a multidisciplinary design optimization algorithm considering mixed uncertainties. Potential topics include, but are not limited to:

- System modeling;
- Multidisciplinary design optimization;
- System reliability and risk assessment;
- Structural safety;
- Interval and fuzzy mathematics;
- Structural analysis;
- Optimization problem and computational methods;
- Information fusion;
- Fault diagnosis;
- Probabilistic physics of failure;
- Uncertainty-based design optimization;
- Uncertainty quantification and propagation;
- Performance degradation modeling and analysis.

Deadline for manuscript submissions:
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Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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Mathematics
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
www.mdpi.com
mathematics@mdpi.com
@MathematicsMDPI