

## Special Issue

# Advanced Mathematics and Computational Applications in Control Systems Engineering

### Message from the Guest Editors

Control system engineering is a multidisciplinary discipline that applies automatic control theory to design systems with desired behaviors in control environments. Automatic control theory has played a vital role in the advancement of engineering and science. It has become an important and integral part of modern industrial and manufacturing processes. Today, the requirements for control precision have become higher, and real systems have become more complex, including higher order, discrete, hybrid, time-delayed linear, nonlinear systems, and systems without a mathematical model and uncertainties.

In control engineering, in parallel to all other engineering disciplines, the impact of advanced mathematical and computational methods is rapidly increasing. Advanced mathematical methods are needed because real-world control systems need to comply with several conditions related to product quality and safety constraints that have to be taken into account in problem formulation ...

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2020)



## Mathematical and Computational Applications

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*Mathematical and Computational Applications (MCA)* is devoted to the dissemination of original research in the field of engineering, natural sciences and social sciences where mathematical and/or computational techniques are necessary for solving specific problems. The aim of the journal is to provide a medium by which a wide range of experience can be exchanged among researchers from diverse fields such as engineering (electrical, mechanical, civil, industrial, aeronautical, nuclear, etc.), natural sciences (physics, mathematics, chemistry, biology, etc.) and social sciences (administrative sciences, economics, political sciences, etc.).

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