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Fractional Derivatives and Their Applications

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Deadline for manuscript submissions:
closed (20 December 2021)

Message from the Guest Editors

Dear Colleagues,

The purpose of this Special Issue is to present a collection of articles showing novel developments and results based on the framework of fractional calculus. This Special Issue especially welcomes extended papers presented at the conference "The 2021 Symposium on Fractional Derivatives and Their Applications (FDTA2021)". We are cordially inviting you to join us at the conference and also to submit your manuscript to this Special Issue. Topics to be covered in this Special Issue include but are not limited to the following:

- Mathematical modeling of fractional and/or stochastic fractional dynamic systems in the real world, stability analysis, and numerical techniques for these equations;
- Fractional controller design and system identification;
- Fractional order models and their experimental verifications, and applications of fractional models to engineering systems in general and mechatronic embedded systems in particular;
- Fractional calculus-based models for cyberphysical systems (CPS) and cyber-human systems (CHS) and, in general, intelligent adaptive systems (IAS);