Special Issue

Digital Twins of Complex Systems: Data, Modeling, Algorithm and Application

Message from the Guest Editors

We believe that many researchers are currently conducting in-depth research and applications concerning digital twin technology from different perspectives, such as data, modeling, and algorithms. These research efforts, though targeting different domains or objects, all contribute effectively to the digital twin field. Therefore, we welcome all relevant research that can accelerate the progress of digital twin research, which may involve data simulation, algorithms, modeling methods, applications, and more. Specifically, the scope includes, but is not limited to, the following: (1) Modeling frameworks/methods of digital twins; (2) Simulation data generation and use; (3) Artificial intelligent algorithms/applications in digital twins; (4) Equipment health management and pattern recognition; (5) Quality control and digital twins; (6) Product lifecycle management; (7) Healthcare and digital twins; (8) Visualization and interaction techniques of digital twins; (9) 3D modeling and lightweight technologies; (10) Other technologies or applications in the digital twins of complex systems.

Guest Editors

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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