



4D Printing and 3D Printing in Robotics and Actuator Manufacturing

Guest Editor:

Dr. Stelios K. Georgantzinis

Laboratory for Advanced Materials, Structures, and Digitalization, Department of Aerospace Science and Technology, National and Kapodistrian University of Athens, 34400 Psachna, Greece

Deadline for manuscript submissions:

31 December 2024

Message from the Guest Editor

This Special Issue focuses on the application of these technologies in robotics, emphasizing their role in enhancing manufacturing processes and facilitating the creation of more complex, efficient, and responsive robotic systems and actuators. In particular, the Special Issue examines the technical aspects of 3D printing, which allows for the production of sophisticated and customized robotic components. This Special Issue also explores advancements in materials science, crucial for the effectiveness of these printing technologies. It discusses the development of new polymers and composite materials that improve the functionality and durability of printed components. Additionally, the Special Issue addresses the latest engineering processes that underpin these technologies, aiming to provide a comprehensive view of their potential in advancing the field of robotic manufacturing.

