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Innovative Approaches for Machining Technologies of Composite **Materials**

Guest Editors:

Prof. Dr. Luigi Nele

Department of Chemical, Materials and Industrial Production Engineering. University of Naples "Federico II", 80125 Naples, Italy

Dr. Alessandra Caggiano

Manufacturing Technology and Systems, Department of Industrial Engineering, University of Naples Federico II, 80125 Napoli NA, Italy

Deadline for manuscript submissions:

closed (13 March 2023)

Message from the Guest Editors

Dear Colleagues.

Nowadays, composite materials technology is being increasingly used in industries such as automotives and aerospace. Besides, machining is one of the most important manufacturing technologies. With technological developments followed by the transition to Industry 4.0, innovative techniques such as artificial intelligence and robotic systems could be fused together, in order to achieve better results and a greater quality of these processes.

Research works related on the following aspects are welcome:

- Data-driven techniques physicsor based/mathematical modeling for the machining of composite materials;
- Al solutions for defect detection (e.g., delamination, tool wear detection, Remaining Useful Life (RUL), etc.):
- Techniques for the optimization of process parameters for innovative composite materials;
- Robotic materials systems for composite machining:
- Real-time process monitoring and closed-loop process control;
- Advanced cutting tools (materials, geometry and
- coatings); Machining of











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Editor-in-Chief

Prof. Dr. Giulio Nicola CerulloDipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network

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