

## Special Issue

# Adhesive Bonding Lightweight Materials in Modern Vehicles Construction

### Message from the Guest Editors

The Special Issue aims to represent a platform for researchers, in both academia and industry, in order to disseminate their ideas and most recent results in this area. In particular, original research articles and review papers are welcome, and topics include, but are not limited to, the following subjects:

- The adhesive bonding of metals, polymers, and fiber reinforced composites, including hybrid joining techniques;
- Surface pre-treatments for metals and polymers, including mechanical, chemical, and physical treatments;
- Formulation and characterization of novel adhesives, including graded and mixed adhesives;
- Mechanical characterization techniques for adhesives and adhesive joints, including the assessment of strength, fracture toughness, and long-term durability;
- Structural health monitoring techniques;
- Modeling techniques, including the analytical and numerical models for the analysis of strength and fracture toughness under static and/or dynamic loading;
- Development and characterization of dismantlable adhesives for the recycling of structural materials.

### Guest Editors

Prof. Dr. Marco Alfano

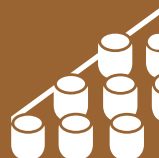
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### Deadline for manuscript submissions

closed (30 July 2021)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

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