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Innovations in Laser Surface Microprocessing, Coatings and Characterization

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2021)

Message from the Guest Editor

It is my pleasure to invite you to submit your technological contributions and manuscripts to this Special Issue, titled "Innovations in Laser Surface Microprocessing, Coatings, and Applications". This Special Issue will focus on emerging advances in novel laser microprocessing technologies and coating techniques with characterization relevant to surface modification along with unique fabrication methodologies for evolving manufacturing fields.

Topics include, but are not limited to the following:

- Laser processing methods for surface fabrication, design architecture
- Laser microfabrication technologies to enhance adhesion through surface modification
- Textured/structured and engineered surfaces and their applications
- Microfabrication technologies, micromilling, micro/nanofeatures machining, laser ablation, modeling studies
- New integrated techniques and technologies for photonics and other applications
- Applications of ultrafast lasers for material surface modification
- Coatings techniques, research on protective coatings to enhance surface life and characterization results

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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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