



Advanced Nondestructive Evaluation and Characterization of Surface

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Message from the Guest Editors

Dear Colleagues,

Nondestructive evaluation (NDE) is an interdisciplinary field, which has been developed rapidly over recent decades as an important tool for damage detection, quality assessment and material characterization. Initiation and progression of degradation or cracks generally occurs on the surface of industrial components. This Special issue of Coatings is poised to collect original scientific or technical research articles and review papers related to advanced nondestructive evaluation and characterization of surfaces in solid structures. Especially, novel theoretical and experimental approaches, with improved sensitivity, characterization capability, and efficiency of measurement, are of interest.

In particular, the topics of interest include, but are not limited to:

- Surface waves based nondestructive evaluation
- Surface cracks detection
- Characterization of surface properties
- Online monitoring of structural surface





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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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