

## Advanced Nondestructive Evaluation and Characterization of Surface

Guest Editors:

**Prof. Dr. Youn ho Cho**

School of Mechanical  
Engineering, Pusan National  
University, Busan 609-735, Korea

**Prof. Dr. Weibin Li**

School of Aerospace Engineering,  
Xiamen University, Xiamen  
361005, China

Deadline for manuscript  
submissions:

**closed (20 July 2021)**

### 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



[mdpi.com/si/12346](https://mdpi.com/si/12346)

# Special Issue

## Editors-in-Chief

**Prof. Dr. Wei Pan**

State Key Laboratory of New  
Ceramics and Fine Processing,  
School of Materials Science &  
Engineering, Tsinghua University,  
Beijing 100084, China

**Dr. Emerson Coy**

NanoBioMedical Centre, Adam  
Mickiewicz University in Poznań,  
ul. Wszechnicy Piastowskiej 3, 61-  
614 Poznań, Poland

## Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

## Contact Us

*Coatings* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/coatings  
coatings@mdpi.com  
X@Coatings\_MDPI