

Intelligent Tribological and Functional Coatings

Guest Editors:

Dr. Shih-Chen Shi

Department of Mechanical
Engineering, National Cheng
Kung University, Tainan, Taiwan

Prof. Dr. Yunn-Lin Hwang

Department of Mechanical
Design Engineering, National
Formosa University, Yunlin 632,
Taiwan

Prof. Jason Hsiao Chun Yang

Department of Fiber and
Composite Materials, Feng Chia
University, Taichung, Taiwan

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Message from the Guest Editors

The Special Issue "Intelligent Tribological and Functional Coatings" will provide a platform for researchers, practitioners, and academics to present and discuss ideas, challenges, and potential solutions on established or emerging topics related to research and practice in the field of engineering tribology toward achieving high speed, high precision, energy conservation, sustainable use, and advanced design in industrial tribology, in addition to issues related to application.

1. Basic friction and wear;
2. Lubricants and lubrication;
3. Contact mechanics and adhesion;
4. Surface engineering and coating;
5. Material analysis and examination;
6. Tribology in machine elements;
7. Tribochemistry and tribocorrosion;
8. Biotribology;
9. Green tribology and sustainability;
10. Micro- and nanotribology;
11. Manufacturing technology;
12. Tribotronics and active tribology;
13. Dynamic and vibration engineering;
14. Computer-aided engineering;
15. Measurement and signal processing technology;
16. Power engineering technology;
17. Fire science and technology;
18. System design engineering;
19. Other engineering technologies



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.

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

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