



Visual Appearance of Mobility Coatings

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Message from the Guest Editor

We want to invite you to submit to this Special Issue, Visual Appearance of Mobility Coatings. The integral performance of any coating technology for any future and current vehicle, both for interior and exterior systems, is a complex balance involving a hybrid interdisciplinary multiscale approach from nano and micro to perceptual levels of the light–matter–brain interaction, and vice versa.

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

- Special-effect and functional pigments, even new structural coloration approaches;
- Coating ingredients for different functional purposes;
- Innovations in coating processes and technologies for current and future vehicles, both in their exterior and interior systems, but also in other coatings applications ;
- Characterization methods for functional coatings;
- Coating formulation models;
- Optical instrumentation for assuring the visual and surface appearance quality;
- Visual and instrumental correlation models and methods;
- Digital rendering techniques for improving the perceptual fidelity of the complex visual appearance of vehicle coatings and other coating applications;
- Special vehicles





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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.

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