Special Issue

Sensing Properties and Emotions: Engineering for the Intelligent and Sustainable Optimization of the Quality of Industrial Products

Message from the Guest Editors

New technological developments, hyperconnectivity, and the globalization of the economy present significant opportunities and challenges to economy. Sensorization provides the opportunity to know all kinds of properties of products that could be correlated with the opinions/emotions of users, which could also be sensorized.

Machine learning techniques makes it possible to link the perceived quality of products with the factors on which it depends. Consequently, products can be designed for numerous applications, such as to present the intended sentiment, create user profiles, and recommend products that optimize user satisfaction. This Special Issue is focused on optimizing environmental sustainability and perceived quality in product engineering projects using current machine learning techniques.

Articles that explore the relationship between the properties of a product or service with the perceived quality/perception/emotions of users are welcome. Works that include databases of physicochemical variables (inputs, design parameters) and sensory variables (outputs, perceived sensations) in different sectors (transport, food, health, habitat, tourism, etc.) are especially valued.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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