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Non-destructive Evaluation and Analysis of Materials after Manufacturing

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Message from the Guest Editors

The present time brings ever-increasing demands for quality and functionality of components also in industry. Surface integrity is a broad term that includes a wide range of material properties. Thorough knowledge of the mentioned properties of materials and their surfaces after manufacturing is one of the important prerequisites for guaranteeing the quality of the product. Quality requirements are justified for each product, but especially where there are increased demands on functional properties, e.g., automotive, aerospace, bearing industries, and medical, too. Based on these facts and also efforts for continuous progress, it is necessary to look for such methods of evaluation and analysis of materials that will quickly and effectively determine the current state of materials and surfaces of components after production.

The focus of this Special Issue is therefore primarily on (but not limited to) non-destructive methods for the evaluation and analysis of materials, their surfaces and functional and utility properties using the various technologies used in the manufacturing process.





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Message from the Editor-in-Chief

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