

## Special Issue

# Advances in Welding and Joining Technologies

### Message from the Guest Editors

The quick development of digitalization has in recent years led to a reminiscence of statistic methods in order to characterize and evaluate welding processes, such as US-welding, laser welding, friction stir welding or GMA Welding. The step to AI and neural networks is noticeably short, so new papers focusing on the use of different methods of AI for welding processes, aiming toward quality assurance (recognizing weld defects) to determine process stability or to recognize incorrect welding parameters are of interest. In this Special Issue, we will focus on the evaluation of AI methods for welding and the explanation of the physical significance of the results. Papers dealing with a deep understanding of the correlations found through AI methods are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 December 2022)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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