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**TMS 2020**

**149<sup>th</sup> Annual Meeting & Exhibition**

February 23-27, 2020 • San Diego, California, USA



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## Materials Design

### Materials Design Approaches and Experiences V

This symposium is a continuation of four previous successful symposia held at TMS annual meetings in 2001 (Indianapolis), 2006 (San Antonio), 2012 (Orlando), and 2016 (Nashville). It serves as a periodic review of the state-of-the-art development on the subject.

In this symposium, we will bring together materials scientists and engineers to share their experiences, including successful and unsuccessful examples, challenges, lessons learned, in developing wide variety of class of alloys for industrial applications, as well as new tools and methodologies that enable efficient alloy design and accelerated implementation processes. The interaction between the two groups will bridge the gaps between them, thus accelerating the transition of new design tools to alloy development. Covering both past experiences and new approaches – both experimental and computational, this symposium will also help identify some critical areas/needs in new methodologies/tools for the community to focus upon. Applications of artificial intelligence and machine learning to alloy design are one of the new areas of interest in this symposium.

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Questions?  
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