

CDSM 2018

COMPUTATIONAL DESIGN AND SIMULATION OF MATERIALS



TMS 2018

147th Annual Meeting & Exhibition

March 11 – 15, 2018

Phoenix, Arizona

Don't miss your opportunity to present your work at the 2nd International Conference on Computational Design and Simulation of Materials (CDSM 2018). Organized jointly by TMS and the Chinese Society for Metals (CSM), CDSM 2018 offers a complete meeting-within-a-meeting experience, focused on computational simulation and modeling to accelerate materials discovery and design.

CDSM2018: COMPUTATIONAL DESIGN OF MATERIALS

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Optimal and robust design of materials involve selection of chemistry and processing for desired microstructure and targeted properties. In addition to tools and databases, uncertainty quantification is central for its broad acceptance—a topic of particular interest for this symposium.

Specific topic areas for abstract submissions include (but are not limited to):

- Computational tools for materials design
- CALPHAD (CALculation of PHase Diagrams) and kinetics modeling
- Phase-based data repositories
- High throughput data creation, data mining, and database development
- Materials design for additive manufacturing
- Uncertainty quantification of materials design

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