



## Computational Thermodynamics

Guest Editor:

**Dr. Tilo Zienert**

Institute of Ceramics,  
Refractories and Composite  
Materials, Technische Universität  
Bergakademie Freiberg, 09599  
Freiberg, Germany

Deadline for manuscript  
submissions:

**closed (30 September 2022)**

### Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to encourage scholars to submit original research articles addressing one or more of the following topics: (1) Development of the next generation of CALPHAD-based thermodynamic databases; (2) estimation, modelling, and experimental determination of thermophysical properties of materials; (3) investigation of chemical reactions at interfaces and/or diffusion calculations, e.g., of metal melt/ceramic systems; (4) phase field modelling and calculations, e.g., chemical thermodynamics or in combination with continuum mechanics; and (5) simulation of 3D printing processes in combination with chemical thermodynamics. Studies focusing on similar topics and multi-disciplinary works are welcome.

This Special Issue will present an overview of the actual developments in CALPHAD-based thermodynamic databases and it will show current trends of their applications.

Dr. Tilo Zienert  
*Guest Editor*





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## Editor-in-Chief

### **Prof. Dr. Kevin H. Knuth**

Department of Physics, University  
at Albany, 1400 Washington  
Avenue, Albany, NY 12222, USA

## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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*Entropy* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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