

# Special Issue

## Interiors of Icy Ocean Worlds

### Message from the Guest Editor

We are soliciting contributions for a Special Issue on "Interiors of Icy Ocean Worlds". Geophysical measurements by future robotic missions can reveal the compositional and rheological structures and the thermal states of icy ocean worlds. The interior density, temperature, sound speed, and electrical conductivity thus characterize their habitability. Improvements in computational capabilities have enabled new insights into the interiors of icy ocean worlds, including the geodynamics of their icy lithospheres, coupled thermal and orbital evolution, and the flow of fluids in their oceans. Future spacecraft measurements require the further development of computational techniques for forward models and the inversion of data sets. Laboratory studies of material properties, chemistry, and spectral characteristics are needed in the large domain of pressure, temperature, and composition. This Special Issue solicits theoretical, numerical, and laboratory studies advancing our ability to acquire and interpret vital information about the interiors of icy ocean worlds.

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### Guest Editor

Dr. Steven D. Vance

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### Deadline for manuscript submissions

closed (7 June 2019)



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## About the Journal

### Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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### Editor-in-Chief

Prof. Dr. Alberto G. Fairén

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