

# Special Issue

## Advanced Thermal Management Technologies: Experimental Case Studies, Numerical Modelling, and Topology Optimization

### Message from the Guest Editors

We are pleased to invite you to contribute to an upcoming Special Issue entitled: “*Advanced Thermal Management Technologies: Experimental case studies, numerical modelling, and topology optimization*”, which will be published in the journal *Designs*. This Special Issue is open to researchers and authors who want to submit their research and review articles exploring experimental and numerical analyses on thermal management applications, energy conversion, and cooling applications. The main aim of this Special Issue is to investigate various thermal management system technologies to control the heat generated in several industrial applications. The focus will be on temperature uniformity, unsteady heat patterns, thermal circuit design, computational fluid dynamics, and topology optimization within hybrid and electric vehicles. This journal covers a wide range of topics including thermal management system design, energy conversion, energy storage, renewable energy, energy conservation, energy management, and sustainability.

### Guest Editors

Dr. Danial Karimi

Dr. Hamidreza Behi

Dr. Majid Vafaeipour

Dr. Mark Behi

### Deadline for manuscript submissions

closed (30 April 2023)



## Designs

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## About the Journal

### Message from the Editor-in-Chief

*Designs* (ISSN 2411-9660) is a peer-reviewed and open access journal which provides a unifying research framework for a wide range of engineering designs of disciplines and industrial applications, including mechanical engineering, electrical engineering, civil engineering, mechatronics, aerospace engineering, bioengineering, energy engineering, industrial engineering and manufacturing systems are of interest. We would like to invite you to contribute to the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Joshua M. Pearce

Department of Electrical & Computer Engineering, Western University,  
London, ON N6A 3K7, Canada

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### Author Benefits

#### High Visibility:

indexed within Scopus, Inspec, Ei Compendex and other databases.

#### Journal Rank:

CiteScore - Q2 (Engineering (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.5 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the second half of 2025).