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Advances in Applied Thermodynamics III

Guest Editors:

Prof. Dr. Brian Agnew
School of Engineering, Newcastle University, Newcastle upon Tyne NE17RU, UK

Dr. Ivan CK Tam
Associate Professor in Marine Engineering Design & Technology, Newcastle University, Newcastle Research & Innovation Institute, 80 Jurong East Street 21, #05-04, Singapore, Singapore

Deadline for manuscript submissions:
closed (31 January 2019)

Message from the Guest Editors

Dear Colleagues,

The exceptional interest in the previous issues of Advances in Applied Thermodynamics has led to the production of a third volume of this Special Issue of *Entropy*.

This newest issue is focused on recent developments in thermodynamics, especially in the general fields of bio-energy, energy efficiency and sustainability. Of primary interest are papers that study the conditions appropriate to time or rate constrained processes and the conditions for optimal configurations of heat and mass exchange processes in biomass conversion processes. This may include optimization of combined cycles. The thermodynamic characterization of biomass materials is an area of interest as it is delaying the utilization of mixed biomass waste for gasification or combustion. In addition, the second law analysis of energy harvesting, chemical energy storage, utilization of liquefied natural gas (LNG) cold energy and fuel cells are of interest.

The journal will, however, welcome submissions covering a wide range of disciplines that are based upon the application of the Second Law of Thermodynamics.

Prof. Dr. Brian Agnew
Dr. Ivan C. K. Tam
Guest Editors

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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.

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Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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entropy@mdpi.com
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