



## Encyclopedia of Engineering

Collection Editors:

**Dr. Giuseppe Ruta**

**Prof. Dr. Krzysztof Kamil Żur**

**Prof. Dr. Ramesh Agarwal**

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### Message from the Collection Editors

In ancient times, Engineering Science was considered to be an art and led civilization and innovation for the progress of humanity. Machines and structures have been designed and built up thanks to applications of technical methodologies conceived by engineers. Aerospace, chemical, civil, electrical, and mechanical disciplines are the main branches of Engineering which thereby signify it has, nowadays, reached the status of being a multidisciplinary science.

This book is intended to provide a first collection of entries falling within the following topics:

- (1) History of Mechanics – Editor: Giuseppe Ruta
- (2) Civil Engineering – Editor: Raffaele Barretta
- (3) Mechanical and Aerospace Engineering – Editor: Ramesh Agarwal
- (4) Nanoengineering – Editor: Krzysztof Kamil Żur

A second book of Encyclopedia will subsequently be announced to complement the topical collection of Engineering outlined above.

