

A symposium on  
**Atomistic Modelling and Characterization of  
Advanced Nanocomposites**

Organised by

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Mechanics and Materials in Design  
University of Toronto, Canada

Under the auspices of

**8<sup>th</sup> International Conference on  
MECHANICS AND MATERIALS IN DESIGN**

University of Bologna, Bologna, Italy  
September 4-6, 2019

**(Conference website: [www.M2D2019.com](http://www.M2D2019.com))**

**Importance and Scope**

Undoubtedly, advanced nanocomposites will have a significant impact on technological advances of the developed nations. Typical applications involve electronic nanomaterials for communication, bio-nanomaterials for improved healthcare, nano-sensors for health monitoring, energy nano-piezoelectric materials for renewable energy, light nano-alloys for efficient transportation and high temperature nano-materials for aerospace applications.

**Topics of Interest**

Papers are kindly solicited from the community in the following and related areas:

- Multiscale modelling and Characterisation of
- Molecular dynamics modelling
- Density Functional theory
- Nanocomposites: Theory and Applications
- Piezoelectric Nanocomposites
- Smart Nano-reinforced Polymers
- Nanoparticle synthesis and Applications
- Functional Devices
- Carbon Nanostructures and Graphene

- Energy and Nano Harvesting Materials
- Mechanical Properties of Advanced Composites
- Interfacial Properties of Nanocomposites
- Processing and Fabrication Nanocomposites
- Aging of Polymeric Composites
- Fracture behaviour of Nanocomposites
- Bio-Nanotechnologies
- Case Studies and Case Histories

### **Target Audience**

- Scientists and Academicians
- Research Scholars and students
- Research Laboratories
- Nanotechnology Companies
- Nanotechnology Associations
- Advanced Materials and Nanotechnology Engineers
- Transport Industry: Automotive, Ship and Aerospace
- Defence Organisations and Laboratories

### **Extended Abstracts**

Four pages maximum adhering to the following format:

**Paper Size:**

A4, single column

Margins:

Top page 3,0 cm; Bottom 2,5 cm, Left & Right 2,5 cm

**Font and line spacing:**

Times New Roman; single space

**First 3 lines:**

Should be left blank, size 10, reserved for the editors

**Title:**

Begins at the 4th line, capital letters, size 14, bold, left alignment

**Authors Names:**

Size 10, left alignment, two lines interval from title above

**Authors affiliation:**

Size 10, left alignment, two lines interval from text below

**Main Text:**

Size 12, full justification, 6 pt space after paragraph, no indentation

**Headings:**

Capital letters, size 12, bold, one line interval from text above

**Legends (Figs & Tables):**

Size 10, one line interval from text above and below

**References:**

References to cited literature should be identified in the text with author(s) name(s) and year of publication (e.g.: Mascarenhas, 1997). Full citations should be grouped at the end of the paper and in alphabetical order of first author's name. Always give inclusive page numbers for references to journal articles and a page range for books. Each reference must be cited in the text.

A sample abstract is available for download at: [www.M2D2019.com](http://www.M2D2019.com)  
which can also be used as template.

## **Deadline for Extended Abstracts: 08 March, 2019**

Accepted contributions will appear in a book which will be made available to the delegates at the event.

For additional information, please contact either of the following:

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