


MATDES 2020

2020 2ND INTERNATIONAL WORKSHOP ON MATERIALS AND DESIGN

Madrid, Spain | March 26-29, 2020

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 www.matdes.org

Committee

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With the success of MatDes 2019 in Oxford, the 2020 2nd International Workshop on Materials and Design (MatDes 2020) will be held in Madrid, Spain on March 26-29, 2020 and it will be run alongside ICKEM 2020 (www.ickem.org).

Modern engineered materials play a central role in enabling technological designs that underpin, advance and revolutionise engineering practice. MatDes seeks to present applicable advances in the insight into structure and function, and provide useable and reproducible recipes for the synthesis, preparation, characterisation, modelling and exploitation of new metallic alloys, ceramics, polymers, coatings, composites and bio-materials systems.

Important Dates

Submission Deadline: **Dec.10, 2019**

Notification Date: **Dec.30, 2019**

Registration Deadline: **Jan.15, 2020**

Proceedings

Submitted papers will be Peer-Reviewed (Double blind, and conducted by the technical program committee) and the accepted ones will be published in the conference proceedings, which will be submitted for indexing in **Ei Compendex, Scopus**, IET etc. major databases.

Topic Scopes

- ▶ Micro- and nano-scale multi-physics phenomena, and the analysis structure, morphology, and the role of interfaces in relation to design at all scales, e.g. electrochemical energy storage, phase transformation and associated processes
- ▶ Operando and in situ studies of processes and structural evolution
- ▶ Processing of alloys and compounds for microstructure and property control, e.g. friction stir and severe plastic deformation
- ▶ Lightweight materials, e.g. alloys containing magnesium and lithium, as well as composites of all types of matrix (polymer, metal and ceramic) and reinforcement, including continuous and discontinuous fibres, low aspect ratio inclusions and nano-structured reinforcements
- ▶ Multifunctional materials, e.g. alloys, polymers and ceramics displaying shape memory effects, as well as bio-composites, composites of green or sustainable origin, and biomimetic materials
- ▶ Intelligent materials design to optimise performance, including hierarchical microstructural optimisation, self-healing, energy absorption, for durability, against damage and environmental extremes

Submission Method

Full Paper is requested for publication purpose. With presentation only purpose, please just submit an abstract.

The MatDes 2020 online submission system is opened at iConf conference system; Click the below link to start with:

<http://confsys.iconf.org/submission/matdes2020>

For any questions about the submission, please feel free to contact matdes@young.ac.cn