

International Workshop on Materials and Design Oxford, United Kingdom | March 29-April 1, 2019

MATDES 2019

Submission Deadline: January 30, 2019

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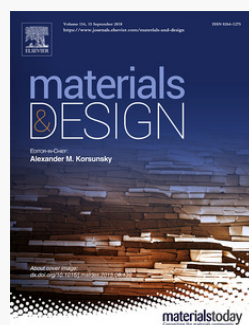
KEYNOTE SPEAKER

Prof. Alexander Korsunsky | Trinity College, Oxford University, UK

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

JOURNAL COOPERATION-SPECIAL ISSUE



Materials & Design (ISSN: 0264-1275)

CiteScore: 4.90

Impact Factor: 4.364

5-Year Impact Factor: 4.498

Source Normalized Impact per Paper
(SNIP): 2.481

SCImago Journal Rank (SJR): 1.751

INDEXING:

SciSearch/Science Citation Index Expanded
SCISEARCH, Materials Science Citation Index, Current
Contents/Engineering, Computing & Technology,
INSPEC - Physics Abstracts
Metals Abstracts, Cast Metals Journal, Research Alert,
Scopus, EI Compendex.

SUBMISSION METHODS

Full Paper is requested for publication purpose. With presentation only purpose, please just submit an **abstract**. The MatDes 2019 online submission system is opened at EasyChair conference system; Click the below link to start with:

<http://www.easychair.org/conferences/?conf=matdes2019>

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

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