



# 1<sup>st</sup> CALL FOR PAPERS

## 3<sup>rd</sup> International Conference on Emerging Technologies in Materials Engineering – EmergeMAT

29-30 October 2020 – Bucharest, Romania

The Scientific Committee and the Organizing Committee cordially invite you to attend the 3<sup>rd</sup> EmergeMAT Conference between 29-30 October 2020.

The 3<sup>rd</sup> EmergeMAT Conference will take place online and will focus on bringing scientists, engineers, industry representatives and other stakeholders interested in developing new methods, concepts and materials using new and emerging technologies, such as: additive manufacturing, advanced materials for extreme conditions, high pressure and high temperature processes, critical materials and valorisation of new resources.

### Sections:

1. Additive manufacturing
2. Advanced materials and coatings for extreme conditions (corrosion, high temperatures, biomedical applications)
3. Critical materials (substitution and recovery)
4. Materials for energy harvesting and storage

### Satellite event\*: COST CA15102 CIG ITHACA7 – WG meetings & General Assembly

COST Innovators Grant "ITHACA: Innovative and sustainable TecHnologies for reducing critical raw mAterials dependence for Cleaner transportation Applications"

*\*) Event open only for registered COST Action participants.*

**Key Topics:** materials for additive manufacturing, (bio)medical applications, energy applications, automotive & aerospace applications, advanced materials (metals, alloys, ceramics, hybrids, composites), critical materials (metals, CRM replacements), thermal properties, etc.

**Presentation:** e-posters (template provided), to be uploaded by organizers on the conference website.

**Publishing:** Abstracts will be published in the conference abstract book (ISSN 2602-0416) and full papers can be published in one of the following peer-reviewed Open Access Journals:

- [Emerging Technologies for Development of Novel Materials Systems and Coatings](#), Special Issue of [Materials](#) (ISSN 1996-1944), Impact Factor: 2.972 (2018)
- [Manufacturing Review](#) (eISSN: 2265-4224), indexed in Scopus, Web of Science, DOAJ, CrossRef, etc.





**Important dates:**

- Abstract submission: 18 September 2020
- Abstract feedback: 25 September 2020
- Full paper submission: 16 October 2020
- Main conference: 29-30 October 2020

**General info:**

Templates will be available starting July 1<sup>st</sup>, 2020, at: [www.imnr.ro](http://www.imnr.ro)

The conference is organized as an all-virtual event.

Working language is English.

Participation is free of charge.

Best poster prizes will be awarded for young scientists.

**Scientific Committee:**

1. Dr. Roxana Mioara PITICESCU, General Manager IMNR, Pantelimon, Romania
2. Prof. Dr. Alain LARGETEAU, ICMCB-CNRS, Bordeaux, France
3. Dr. Mythili PRAKASAM, ICMCB-CNRS, Bordeaux, France
4. Dr. Antonio RINALDI, ENEA, Rome, Italy
5. Dr. Maria Luisa GRILLI, ENEA, Rome, Italy
6. Dr. Daniele VALERINI, ENEA, Rome, Italy
7. Dr. Maria Letizia RUELLO, Università Politecnica delle Marche, Ancona, Italy
8. Mr. Shai ESSEL, Technion - Israel Institute of Technology, Israel
9. Mr. Iakovos YAKOUMIS, Monolithos Catalysts & Recycling Ltd., Athens, Greece
10. Dr. Mihai BOTAN, INCAS, Bucharest, Romania
11. Prof. Dr. Cristian PREDESCU, Politehnica University of Bucharest, Romania
12. Dr. Vasile BOGDAN, Politehnica University of Bucharest, Romania
13. Dr. Sorin AXINTE, Politehnica University of Bucharest, Romania
14. Dr. Maria Dolores ROMERO-SANCHEZ, Applynano Solutions, Alicante, Spain
15. Dr. Radu Robert PITICESCU, IMNR, Pantelimon, Romania

**Organizing Committee:**

1. Dr. Adrian Mihail MOTOC, Scientific Director, IMNR, Pantelimon, Romania
2. Dr. Ana Maria MOCIOIU, IMNR, Pantelimon, Romania
3. Ioana VLAICU, IMNR, Pantelimon, Romania
4. Paul STANCIU, IMNR, Pantelimon, Romania
5. Simona BEJAN, IMNR, Pantelimon, Romania
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