



# Second Announcement and Call for Papers IUTAM Symposium on Mechanical design and analysis for AM technologies August 20–25, 2018, Moscow, Russia



Ishlinsky Institute for Problems in Mechanics  
of the Russian Academy of Sciences (IPMech RAS)



## About Symposium

The main objectives of the IUTAM Symposium on Mechanical design and analysis for additive manufacturing (AM) technologies include a joint discussion of fundamental, computational, and applied problems of the new scientific area by leading mechanicians, mathematicians, physicists and technologists, exchange of the latest ideas and achievements, as well as working out the main directions of its further development.

## Topics

- ▶ **Theoretical, experimental, and computational problems of AM**
  - ▶ AM theory and principles
  - ▶ Methods for the solution of main boundary value problems
  - ▶ Experimental methods for research of AM fabricated parts
  - ▶ Development of numerical methods for AM processes
  - ▶ Digital design for AM fabrication
- ▶ **Additive manufacturing of metals**
  - ▶ Direct metal laser sintering
  - ▶ Selective laser melting
  - ▶ Electron beam melting
  - ▶ Laser engineering net shape
  - ▶ Electron beam additive manufacturing
  - ▶ Binder jetting
  - ▶ Nanoparticle jetting
- ▶ **Plastic 3D printing**
  - ▶ Selective laser sintering
  - ▶ Multi jet fusion
  - ▶ Material jetting
  - ▶ Stereolithography
  - ▶ Digital light processing
  - ▶ Continuous digital light processing
- ▶ **Other AM technologies**
  - ▶ Bio-printing
  - ▶ Laminated object manufacturing
  - ▶ Drop on demand
  - ▶ Electrolytic formation
  - ▶ Fused deposition modeling
  - ▶ 3D printing of concrete structures
- ▶ **Adjacent problems**
  - ▶ Crystal growth
  - ▶ Growth of biological tissues
  - ▶ Accretion problems
  - ▶ Phase transitions
  - ▶ Solidification of melts

## Registration

On-line registration is available at the symposium site  
<http://ipmnet.ru/amt2018/reg/>.

## Deadlines

Draft full-length and brief papers submission deadline	Apr. 30, 2018
Notification of acceptance	May 15, 2018
Camera-ready full-length and brief papers due deadline	May 31, 2018
Last date of registration and accommodation booking	July 20, 2018

## Call for Papers

The brief and full-length papers should be prepared by the templates and guidelines being available online at the symposium site. Selected full-length papers will be published in the *Procedia IUTAM* by ELSEVIER. The official language of the Symposium is English.

## Symposium Fee

Fee Type	Payment Amount
Regular Fee	500 \$
Accompanying Person Fee	300 \$
Full-Length Paper Publication Fee	100 \$

## Contacts

**Mailing address:** AMT 2018. Organizing Committee.  
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