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#### IMPORTANT DATES

Deadline for Abstract Submission	3 February 2017
Acceptance of Abstracts	3 March 2017
Deadline for Final Paper Submission	7 April 2017
Acceptance of Final Papers	17 May 2017
Conference Program	20 May 2017

#### CONFERENCE LANGUAGE

English language

**PARTICIPATION REGISTRATION ONLY  
VIA THE CONFERENCE WEB-SITE  
[www.demi.rs.ba/2017](http://www.demi.rs.ba/2017)**

#### Note:

*The papers will be peer reviewed. The accepted ones will be published on the DEMI Conference CD and in the Book of Abstracts.*

#### FURTHER DETAILS ARE AVAILABLE ON

<http://demi.rs.ba/2017>

#### TECHNICAL PRESENTATIONS

Sponsors of the Conference will have an opportunity to present their products and services. The companies interested in presentations are invited to register timely in order time and space arrangements can be planned accordingly.

#### ORGANIZED BY

FACULTY OF MECHANICAL ENGINEERING  
UNIVERSITY OF BANJA LUKA

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#### SUPPORTED BY

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#### CONFERENCE VENUE AND TIME

Faculty of Mechanical Engineering Banja Luka  
26 – 27 May 2017

#### ADDRESS

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# DEMI 2017

**Banja Luka, 26 - 27 May 2017**



**University of Banja Luka**

**Faculty of Mechanical  
Engineering**

## 13th International Conference on Accomplishments in Mechanical and Industrial Engineering

**Call for Papers**



**DEMI 2017**

**Banja Luka, 26 - 27 May 2017**

**DEMI 2017**

## THE DEMI CONFERENCE

*Dear colleagues and friends,  
The DEMI Conference has already been recognized as a very successful international conference that provides an opportunity to engineers, researchers and experts world over to present the latest scientific and professional accomplishments in mechanical and industrial engineering.*

*The goal of the Conference is to bring closer new research and development results in mechanical engineering to the conference participants as much as to discuss the possibility of applying them in the industrial systems.*

*For the first time, the 13th DEMI Conference will be co-organized with universities from Serbia, Monte Negro and Romania, with motivation to offer an excellent international platform for academic community, researchers, engineers and industry representatives to share their experience and to establish new professional and business bonds.*

*We would like to invite you to join us at the DEMI 2017 Conference to exchange views, ideas, knowledge and experience.*

Banja Luka, 29 November 2016

Chair of the Organizing Committee  
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## THEMATIC FIELDS AND SUBFIELDS

### Production and Computer-Aided Technologies

Machining Technologies, CIM Systems, CNC Systems, CAD/CAPP/CAM Systems, FTS, Industrial Robots, New Products, Technologies and Processes. Intelligent Design and Production Systems.

### Energetics and Thermal Engineering

Thermal Engineering, Heating, Ventilation and Air-Conditioning (HVAC) Refrigeration, Energy Efficiency, Renewable Energy Sources.

### Mechanics and Design

Mechanics of Rigid and Solid Bodies, Fluid Mechanics, Biomechanics, Dynamics of Machines and Mechanisms, Fracture Mechanics, Numerical and Experimental Mechanics, Machine Systems, Power Transmission, Product Design and Development, Structural Integrity and Life.

### Mechatronics

Mechatronics and Robotics, Information and Communication Technologies, Computer Control Technology, Automatic Control, Industrial and Process Control, System Identification and Modelling, Hydraulic Systems.

### Automotive and Traffic Engineering

Motors, Road Vehicles, Rail Vehicles, Modelling of Traffic Systems, Modern Means of Transportation, Transportation Equipment and Systems, Logistics.

### Quality and Ecology

Quality Management System, Quality in the Education System, Quality Methods and Techniques, Business Excellence, Integrated Management Systems, CE Marking, Intelligent Production Metrology, Lean & Green Production, Engineering Management, Ecology.

### Maintenance of Engineering Systems and Occupational Safety Engineering

Maintenance Methods and Techniques, Design and Management of Maintenance Systems, Maintenance and New Maintenance Technologies. Occupational and Environmental Safety Systems, Safety Systems Design, Fire Protection Systems, Reliability of Safety Systems.

### Materials Science

Metal Materials, Polymeric Materials, Composite Materials, Ceramic Materials, Nanomaterials, Biomaterials, Welding, Heat Treatment of Materials, Materials Testing and Inspection.

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