

- Tribology of machining systems, aspects, materials, of tribo-mechanical systems,
- Tribometry, diagnostics and maintenance of tribo-mechanical systems,
- Development, mechanization and automation of fixtures,
- Standardization and unification of fixtures,
- Production metrology, methods, equipment, achievements,
- Quality, quality assurance, TQM,
- Legal metrology.

OTHER PRODUCTION ENGINEERING TECHNOLOGIES

- Metal forming technologies,
- Casting technologies,
- Welding technologies,
- Heat treatment technologies, nanotechnologies and surface engineering technologies,
- Plastics shaping technologies,
- Materials in production engineering.

MECHANICAL ENGINEERING AND ENVIRONMENTAL PROTECTION

- Cleaner production,
- Recycling, zero waste technologies,
- Environmental management,
- Ecodesign and Life Cycle Assessment (LCA) of products and processes.

BIO-MEDICAL ENGINEERING - CAx

- Application of modern engineering methods in development of biomedical products (3D digitization, reverse engineering, rapid prototyping, virtual design...),
- Application of modern manufacturing technologies in production of biomedical products (CAD/CAM, rapid prototyping, rapid tooling...),
- Modern approaches in quality control of biomedical products.

DEADLINES

- Submission of application by May 15, 2012
- Notification of acceptance by May 30, 2012
- Submission of papers by July 1, 2012
- Review results information by July 15, 2012
- Final programme by September 1, 2012

PAPER APPLICATION AND CONFERENCE FEES

- Paper application should contain: author(s) name(s), paper title, abstract in English (max. half DIN A4) and mailing address.
- Applications should be e-mailed to: mma2012@uns.ac.rs
- Conference fee is €100 for one paper and €50 for the participants without paper. Fee payment should be made until Sept. 10, 2012.
- Conference fee includes conference materials, participation in work and all other activities during the Conference.

ACCOMMODATION

Information regarding accommodation shall be submitted in the next information.

CONFERENCE LANGUAGES

Official language of the conference is English.

DATES AND VENUES

The Conference will be held from September 20-21, 2012 in Novi Sad, at the Faculty of Technical Sciences, Trg Dositeja Obradovica 6, Serbia.

TECHNICAL PRESENTATIONS AND SHOWS

- Guided tour of FTS laboratories,
- Presentation of products, technological solutions and software by interested organizations.

INSTRUCTIONS FOR AUTHORS

No. Of pages: 4 DIN A4 pages

Margins: left: 2,5 cm

right: 2 cm

top: 2 cm

bottom: 2 cm

Font: Times New Roman

Title: Bold 12, capitals

Abstract: Italic 10 small letters

Headings: Bold 10, capitals

Subheadings: Bold 10, small letters

Text: Regular 10

Columns: Equal column width with 0,7 cm spacing

Spacing: Single line spacing

Formulae: Centered and numerated from 1 in ascending

order. Equations must be typed in Equation

Editor, with following settings:

Style -> Math

Size -> Full 12pt, Subscript/Superscript 7pt,

Symbol 18pt

Figures: High quality, numerated from 1 in ascending

order (e.g. Fig 1., Fig. 2. etc.); Figures and tables

can spread over both two columns, please avoid

photographs and color prints

Tables: Numerated from 1 in ascending order (e.g. Table 1,

Table 2, etc.)

References: Numerated from [1] in ascending order; cited

papers should be marked by number from the

reference list (e.g. [1], [2, 3] ...)

Submission: **Papers prepared in MS Word format should be e-mailed to: mma2012@uns.ac.rs**

Notice: Papers shall be printed in Book of Proceedings and on CD and shall be published in „Journal of Production Engineering“

(<http://www.jpe.ftn.uns.ac.rs/>).

or “**Journal for the Technology of Plasticity**”

(<http://www.ftn.uns.ac.rs/index.php?mode=vie w&action=document&document=281>)

Sample paper with detailed instructions can be

found at: www.ftn.uns.ac.rs/mma2012

INFORMATION

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UNIVERSITY OF NOVI SAD
FACULTY OF TECHNICAL SCIENCES

DEPARTMENT OF PRODUCTION ENGINEERING
21000 Novi Sad, Trg Dositeja Obradovica 6, Serbia



11TH INTERNATIONAL SCIENTIFIC CONFERENCE



Novi Sad, September 20-21, 2012

**FIRST INFORMATION
AND CALL FOR PAPERS**

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MMA 2012

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ABOUT THE CONFERENCE

Chair for Metrology, Quality, Fixtures, Tools and Environmental Aspects, Chair for machine tools, technological processes, flexible technological systems and design processes and Chair for Metal Cutting Technologies, within the Department for Production Engineering, Faculty of Technical Sciences in Novi Sad, organize 11th International Scientific Conference MMA 2012 under the motto **ADVANCED PRODUCTION TECHNOLOGIES** and entitled as:

11th INTERNATIONAL SCIENTIFIC CONFERENCE MMA 2012 – ADVANCED PRODUCTION TECHNOLOGIES

By continuing 33-years tradition of the Conference, it is expected that presented results from the scientific institutions, as well as from the industrial research departments will contribute to the further development of production processes in the metal industry.

We hereby extend this call to all researchers, scientific workers and industry professionals to contribute to the International Scientific Conference MMA 2012 by submitting scientific papers, and to the affirmation of production engineering in the region by active participation in its work.

CONFERENCE TOPICS

METAL CUTTING

- Development of metal cutting technology; improvement of existing machining technologies and innovation in domestic and international context,
- Machinability of materials in metal cutting; domestic research results and their application in industry; technological database,
- Optimization of machining processes; development of various methods and real-life application;
- Unconventional machining; development and application in modern practice.

MACHINE TOOLS AND AUTOMATIC FLEXIBLE TECHNOLOGICAL SYSTEMS, CAx AND CIM PROCEDURES AND SYSTEMS

- Development and prediction of trends in development of machine tools and complex manufacturing systems;
- New concepts of machine tools,
- Development of machine tool and manufacturing system components; development of control, drive, measuring and manipulation systems,
- Machine tool design; new methods in design and construction,
- Behavior testing of machine tools and components; modern methods and results,
- Exploitation, modernization and maintenance of machine tools as means to an increased productivity and cost efficiency; methods, procedures and solutions,
- Automatic flexible technological structures; conceptual solutions, developed solutions, exploitation characteristics,
- Rationalization and automation of systems for preparation of production,
- Procedures and systems for automated designing, construction and calculation - product design,
- Procedures and systems for automated designing and optimization of technological processes of production of products,
- Procedures and systems for automated programming of NC machine tools, manipulation systems, measurement machines and complex technological systems,
- Complex technological systems, Systems for computer integrated manufacturing; conceptual solutions, achievements in development,
- Techno-economical aspects of practice of CAD, CAPP, CAM, CAQ, ..., CIM systems,
- New approaches and methods in designing and production (systems of artificial intelligence, expert systems, mechatronics, concurrent engineering, reverse engineering)

METROLOGY, QUALITY, FIXTURES, METAL CUTTING TOOLS AND TRIBOLOGY

- State of the art and development of tools for the modern metal cutting industry,
- Research and innovation regarding development and manufacturing of modern tools,
- Tools for numerically controlled machine tools,
- Optimization of construction and exploitation of machine tools,