

III INTERNATIONAL SCIENTIFIC CONGRESS INNOVATIONS 2017

19 - 22 JUNE, 2017, VARNA, BULGARIA

ORGANIZER

SCIENTIFIC-TECHNICAL UNION OF MECHANICAL ENGINEERING BULGARIA

CO-ORGANIZERS

Federation of the Scientific-Technical Unions in Bulgaria
Technical University – Sofia
Technical University – Gabrovo
Ruse University "Angel Kanchev"
Technical University – Varna

"Todor Kableshkov" Higher School of Transport
University of Chemical Technology and Metallurgy – Sofia
Society of Polish Mechanical Engineers and Technicians (SIMP) – Poland
Association of Mechanical Engineers - Slovakia
Scientific – Technical Association - China
Union of Mechanical Engineers – Ukraine

WITH THE SUPPORT OF

National Scientific-Technical Societies: Automation of Discrete Production Society
Institute for scientific and applied research and technology
Office of Technology Transfer of SCIENTIFIC-TECHNICAL UNION OF MECHANICAL ENGINEERING

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INVITATION

Dear colleagues,

The forthcoming III International scientific congress "Innovations 2017", which will take place from June 19 to June 22, 2017 in the city of Varna, is aimed at giving place of meeting for scientists of different countries, where they can represent their scientific achievements and discuss the matters of innovations.

The human development has been always based on the ideas. They are moving forward the industry and the society as a whole.

We want to be a little part of the efforts at technological progress, at implementation of the innovative ideas into products and services, which create growth and working places for the constitution of one more just and fair society.

The congress will give the possibility of new acquaintances and friendships, which will boost the formation of new ideas.

We invite also the industrial companies as to participate in the discussions on the problems of innovations in machine-building, as well as to present at the congress or by advertisements on the congress papers their innovative products, technologies, materials and services.

The program of the congress will also give you the opportunity for relaxation, amusements and becoming acquainted with the Black Sea charm.

Prof. D.Sc. DHC Georgi Popov, President of Bulgarian Scientific-Technical Union of Mechanical Engineering, Prof. D.Sc. Dimitar Damianov, Chairman of the International Program Committee

1. THEORETICAL PROBLEMS IN INNOVATIONS

Knowledge and creativity. Knowledge management. Creative process and creative products. Creative techniques. Connection between creativity and innovations. Process of generating ideas and implementation of ideas into an innovative conception and innovations.

Principles and objective laws of the development and management of innovative processes. Innovation cycle. Innovation degrees of products and processes – assessment criteria. Technology of innovations and innovative production systems.

Open innovations. Knowledge and innovation transfer. Knowledge and innovation audit.

2. INNOVATION POLICY AND INNOVATION MANAGEMENT

Innovation policy and mechanisms of its implementation. Innovation activity and innovation development. Innovation infrastructure. Technological centers and offices for innovation technology transfer. Innovation networks and global innovation policy.

Functions of the innovation management. Methods and forms. Planning and forecasting. Management of innovations – theory and practice. Conflict management in the innovation activities. Innovative entrepreneurship. Innovative projects. Investment management in the innovation activities.

Market realization of innovative products. Intellectual property.

Education. Innovation games. Models of improving qualification. The personal factor's role in the innovation activities.

3. INNOVATIVE SOLUTIONS

Intellectual industrial technologies. Advanced machine-building technologies. Laser, plasma, ultrasonic, radiation and optic technologies. Additive technologies and additive production. Digital production of optimal products of metal, polymers, composites and ceramics.

Virtual engineering technologies and simulations. Information and computer technologies. Robotics, artificial intelligence, radio-electronics, instrument engineering. Communication and navigation engineering μ technologies. Mathematical modelling and supercomputer engineering.

Materials, structures, systems - SMART technologies. Powder and plasma metallurgy, rigid-body physics, rigid-body mechanics and rigid-body chemistry. Composition materials and coatings, strengthening technologies. Nanotechnologies, nanoelectronics, nanometrology, nano-equipment and nanoindustry.

Ecologically clean technologies. Waste treatment. Solar and hydrogen power engineering. Energy recuperation.

Research, design, use and maintenance of agricultural machinery. Sustainable development and environmental aspects of agricultural production. Mechanisation and Electrification of Agriculture. Geology and geophysics. Mining and processing of mineral raw materials. Mechanization, electrification and automation in mines.

Research and improving the operational performance of vehicles. Efficiency, safety and sustainable transport. Electric vehicles and eco mobility. Diagnostics and repair of transport vehicles. Creation of new and advanced design and process management in the oil refining and petrochemical, chemical, metallurgical, plastic and rubber, paper, textile, leather, pharmaceutical and others industries. Creation of new highly effective materials for the technique and household by using organic and inorganic technologies.

Education - the role of technological thinking to the development of humanity. Language Technology.

Organizational and social innovations. Other innovative solutions.

CALL FOR PAPERS

Scientists from all over the world are kindly invited to present the results of their researches in the plenary, section and poster sessions.

Paper's abstract up to 200-350 words, **written in English,** in .doc or .docx format, with up to 10 keywords, authors' names and titles, occupation and e-mail address, together with the *Author's Response* (Form A) or the <u>online registration</u> has to be sent to the Organizing Committee not later than **28.02. 2017.**

The Author's response Form A will be registered in the section <u>"Received Abstracts and Papers"</u> of the congress web-site and a registration number will be given the paper. The Organizing Committee will be appreciated, if the authors use this registration number in the further correspondence and if the files sent also begin with this number and the phrase "IM". For example: 131 Spenser IM.doc.

Authors of the approved papers will be informed about the Program Committee's decision not later than **05.03. 2017**.

Only papers formatted in accordance with the **graphical** and **text** instructions, accepted peer-reviewed and presented at the oral and poster congress sections will be published.

The full text papers up to 4 pages, written in English, must be sent not later than **30.04.2017** by email, together with the Application form for participation (<u>Form B</u>) or <u>online registration</u>. The name of the paper's file has to consist of the registration number, author's name and the phrase "**IM**". For example: "**131_Spenser_IM.doc**"

If the authors cannot participate personally in the Congress, they can participate in the poster session. In that case the author should pay only the publication fee and the paper will be published in the congress journals. The poster papers have to be formatted according to the poster graphical and text instructions. They should be sent by e-mail until 10.06.2017 so the papers could be presented at the Congress. The Organizing Committee takes the obligation to print the poster and to include it in the poster session.

All instructions can be found on the congress website: www.innova-eng.eu. An example of the title page can be downloaded there, so the authors could write easy the whole paper according to the requirements.

PUBLICATIONS

All papers included in the congress scientific program will be published as follows:

- > All reports will be published in separate volumes for each subject session of Scientific Announcements of the Scientific-Technical Union of Mechanical Engineering (ISSN 1310-3946). The volumes will be deposited at the Saints Cyril and Methodius National Library, as well as at the National Scientific and Technical Library
- ➤ Papers written in English: in the separate issue of the International scientific journal "Innovations in discrete productions" ((PRINT ISSN 1314-8907, WEB ISSN 2534-8469).).
 - > CD containing all the papers.

FEES AND PAYMENTS

Fee	Euro	
	Until 30.04.2017	After 30.04.2017
1. Congress Fees: 1.1 Participation fee for the II International congress "Innovations 2017". Includes: "Welcome" cocktail, congress materials, coffee breaks, publication in the International scientific journal "Innovation in Discrete Production" and in the periodical "Scientific Proceedings of Scientific-Technical Union of Mechanical Engineering", ISSN 1310-3946, CD with all papers. 1.2. For the second and third paper, you pay only the publishing fee	150/100* * fee for Young scientists up to the age of 35.	200/140* * fee for Young scientists up to the age of 35.
	90	130
02. Accompanying person (coauthors included) Includes: "Welcome" cocktail, congress materials, coffee breaks	75	100
03. Publication fee (For authors who will participate with posters) Includes: publication in the international scientific journal "Innovation in Discrete Production" and in the periodical "Scientific Proceedings of Scientific-Technical Union of Mechanical Engineering", ISSN 1310-3946, CD with all papers, presented at the congress and A1print of the poster paper.	90	130
04. Additional payments:4.1 to receive the volume of the journal (congress proceedings) at the Congress	20	20
4.2 to receive the journal (congress proceedings) by mail;	30	30

PAYMENT FOR NIGHT'S LODGING

Agua Azur Hotel ****

Standard rate per night: single room – 35 EURO, double room – 45 EURO.

PAYMENTS

Bank transfer to the account of the Scientific and Technical Union of Mechanical Engineering at ProCredit Bank:

IBAN: BG53 PRCB 9230 1449 8985 01. BIC: PRCBBGSF

Beneficiary: NTS mashinostroene "Industry-4.0"

Please write in the payment document "IM17" and your registration number which you may find here: www.innova-eng.eu in the section "Received abstracts and papers"

In cash at the office of the Scientific and Technical Union of Mechanical Engineering: 1000 Sofia, 108 "G. S. Rakovski" str. Office №411.

All bank charges related to the transfer are borne by the participant.

IMPORTANT NOTICE:

1. All bank fees, in regards to the transaction are paid by the participant.

GENERAL INFORMATION

Registration, opening, plenary and sectional sessions: Hotel "Aqua Azur" ****.

Address: Varna, PO Box 9006, Resort "St. Konstantin and Elena "

ACCOMODATION

Hotel "Aqua Azur" ****

If arriving by car you may use the GPS coordinates of the hotel "Aqua Azur":

N 43grad 14,277'

EO 28grad 00,828'

TIME TABLE

19.06.2017 (Monday) Registration of the participants.

20.06.2017 (Tuesday) Opening ceremony 10:00. Plenary session. Congress sessions. Special Congress Sub-sections. Poster session. Welcome party.

21.06.2017 (Wednesday) 09:00 Congress sessions. Closing of the Congress.

22.06.2017 (Thursday) Departure of the participants.

PUBLIC TRANSPORT

From the airport to the hotel "Aqua Azur": there is a direct bus line 409 (23th stop "Minyor"). From the bus station to the hotel "Aqua Azur": there is a direct bus line 409 (16-th stop "Minyor"). From the railway station to the hotel "Aqua Azur" - Bus 9 (the last stop in the center of the resort "St. St. Konstantin and Elena". The hotel "Aqua Azur" is 250 meters away.

REGISTRATION

In the lobby of the hotel "Aqua Azur" 19.06.2017 from 16.00 to 20.00 and 20.06.2017 from 08.00 to 10.00.

ENTRY TO BULGARIA

Visitors from the European Union coming to Bulgaria need an identity document.

Visitors from other countries require an entry visa.

Visitors are recommended to contact the Bulgarian Embassy (you can find them on: http://www.mfa.bg/en/ or Consulate in their own country for information on visa requirements. If an official letter of invitation is requested, please contact the Congress Secretariat in due time (before the registration deadline).

TIME

Bulgaria is in the Eastern European Time Zone (GMT+2)

WEATHER

Air temperature: on 19.06.201 - 27,9 °C and on 22.06.2016 – 27,2 °C.

Sea temperature: on 19 and 22.06.2016 - 24 °C

Check the weather in real time here: http://weather.bg/indexen.php

CURRENCY

The official currency is the lev (plural: leva).

1 euro = 1.95583 lev

All major credit cards (e.g. VISA, MasterCard, Eurocard) are usually accepted in Bulgaria

EMERGENCY SERVICES

Uniform European telephone number for emergency situations: 112

DEADLINES

The Abstract of the paper and Author's Response Form "A" or online registration should be sent up to	28.02.2017
Confirmation of the abstract approval	05.03.2017
The Full text of the paper(s) and Participation Form "B" or online registration should be sent up to	30.04.2017
Payment of the Congress fees	30.04.2017
Announcement of the Congress program on the web page: www.innovaeng.eu	10.06.2017
The Organizing Committee will receive posters up to	10.06.2017
Registration of the participants 16.00 - 20.00 h	19.06.2017
08.00 - 10.00 h	20.06.2017
Opening of the Congress 10.00 h	20.06.2017
Departure of the participants	22.06.2017

CONGRESS SECRETARIATE

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