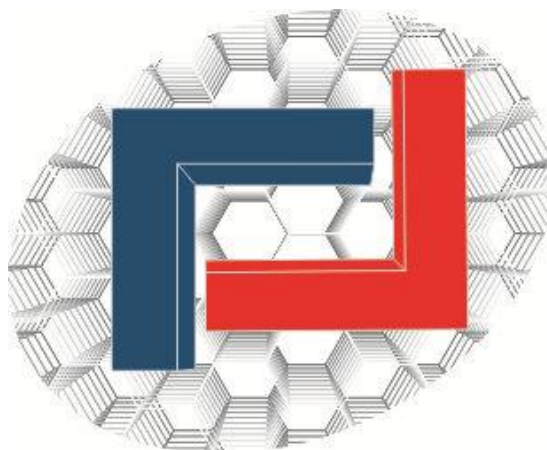

XI INTERNATIONAL CONFERENCE FOR YOUNG RESEARCHERS "TECHNICAL SCIENCES. INDUSTRIAL MANAGEMENT"

14 – 17.03.2018 BOROVEDS, BULGARIA



ORGANIZER

SCIENTIFIC-TECHNICAL UNION OF MECHANICAL ENGINEERING BULGARIA

CO-ORGANIZERS

Federation of the Scientific-Technical Unions in Bulgaria
"Knowledge Society" Institute - Bulgaria
Technical University – Sofia
Technical University – Varna
Technical University – Gabrovo
Ruse University „Angel Kanchev”
Todor Kableshkov University of Transport, Bulgaria
University of Chemical Technology and Metallurgy – Sofia
Society of Polish Mechanical Engineers and Technicians (SIMP) – Poland
Slovak Association of Mechanical Engineers – Slovakia
Union of Mechanical Engineers - Ukraine
Scientific – Technical Association - China

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INVITATION

Dear Colleagues,

The XI International Conference for Young Researchers "**TECHNICAL SCIENCES. INDUSTRIAL MANAGEMENT**" will be held from 14th to 17th March 2018 in Borovets, hotel ELA. The conference is a place for meetings and self-expression of students, PhD students, and young researchers up to 35 years old from around the world.

We invite students, PhD students and young researchers up to 35 years from all over the world to present the results of their researches and creative pursuits and to publish them according to the thematic focus in the International scientific journals that we issue: "**Machines, Technologies, Materials**", "**Science.Business.Society**", „**Innovations in discrete productions**", "**Industry-4.0**" and others (www.stumejournals.com).

The conference is a place to share and discuss experience and new ideas, for acquaintances and new friendships. They are inherent to young people and are necessary for the career development of researchers.

The program of the XI Scientific conference for young researchers "**Technical Science. Industrial Management**" will give you the chance to find new friends and ideas, to relax, to amuse, and to feel the charm of the splendid winter in the mountains

Prof. Dr. Eng. Georgi Popov

Chairman of the National Organizing Committee and

Chairman of the Scientific-Technical Union of Mechanical Engineering

Prof. Dr. Econ. Cyril Angelov

Chairman of the International Program Committee

SCIENTIFIC PROGRAM

TOPICS

1. MACHINES.TECHNOLOGIES.MATERIALS

Mechanics and Machine Elements. Design and engineering, rapid prototyping. Production. Examination and testing. Repair, operation and upkeep.

Metal casting, plastic deformation, welding, soldering and gluing, machining. Energy saving technologies. Technologies.

Materials. Metal, non-metal, instrumental, structural, auxiliary, composite materials.

2. ERGONOMICS AND INDUSTRIAL DESIGN:

Corrective and proactive ergonomics. Ergonomic systems, studies and evaluations. Ergonomic design. Interior Design. Fashion design. Graphic design. Industrial design.

3. AUTOMATION AND INFORMATION TECHNOLOGIES:

Production automation. Robots and manipulators. Artificial intelligence systems. Computer systems and technologies. Computer and software engineering. Information technology. Automated data and management processing.

4. KNOWLEDGE. CREATIVITY. INNOVATIONS

Knowledge management. Business strategies and knowledge management strategies. Management tools. Technological entrepreneurship and business intelligence. Organizational behavior and leadership. Creative process and creative products. Creative techniques. Technologies of creativity and innovation. Innovation process. Open innovation. Transfer of knowledge and innovations. Knowledge and innovation audit

5. INDUSTRIAL MANAGEMENT

Management of industrial enterprises. Innovation and investment management. Statistical research and forecasting. Entrepreneurship and business planning. Engineering and Reengineering..

Project management and risk management. Logistics. Human resource management. Applied IT and Systems.

6. WORKSHOP „VIRTUAL DESIGN AND MECHATRONICS”

Presentation of innovative ideas and wide discussion for new opportunities for the application of CAD systems:

CAD systems and mechanical engineering.

Robotics and mechatronics.

Innovative technologies for computer design (CAD /CAE).

The official language of the XI International Conference “Technical Sciences. Industrial Management” is English.

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 [online registration](#) has to be sent to the Organizing Committee not later than **31.11.2017**.

The *Author’s response Form A* will be registered in the section [“Received Abstracts and Papers”](#) 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 “**tsim**”. For example: **131_Spenser_tsim.doc**.

Authors of the approved papers will be informed about the Program Committee’s decision not later than **05.12.2017**

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 **31.01. 2018** by email, together with the *Application form for participation* ([Form B](#)) or [online registration](#). The name of the paper’s file has to consist of the registration number, author’s name and the phrase “**tsim**”. For example: “**131_Spenser_tsim.doc**”

If the authors cannot participate personally in the Conference, 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 **March 01, 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 conference website: www.youngconference.com. 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** “International Conference for Young Researchers Technical Sciences and Industrial Management” - ISSN 2535-0196 (Print), ISSN 2535-020X (Online)

. 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 journals (www.stumejournals.com) depending on the theme:

- "[Machines.Technologies.Materials](#)" (Print ISSN 1313-0226, Web ISSN 1314-507X).

- "[Innovations](#)" (Print ISSN 1314-8907, Web ISSN 2534-8469).

- "[Materials Science. Non-Equilibrium Phase Transformations](#)" (Print ISSN 2367-749X, Web ISSN 2534-8477).

- "[Science.Business.Society](#)" (Print ISSN 1313-0226, Web ISSN 2534-8485).
- "[Trans&Motauto World](#)" (Print ISSN 2367-8399, Web ISSN 2534-8493)
- "[Industry - 4.0](#)" (Print ISSN 2534-8582, Web ISSN 2534-8582)

CD containing all the papers.

The volumes and issues will be deposited in the National Library "St. St. Cyril and Methodius", Central Scientific and Technical Library.

FEES AND PAYMENTS

Fee	Euro	
	Until 31.01.2018	After 31.01.2018
1. Conference Fees:		
1.1 Participation fee for the XI. International Scientific Conference for young researchers "Technical Science. Industrial Management" Includes: "Welcome" cocktail, conference materials, coffee breaks, publication in one of the international scientific-technical journals depending on the topic, and in the periodical "Scientific Proceedings of Scientific-Technical Union of Mechanical Engineering", CD with all papers, presented at the conference	80	100
1.2. For the second and third paper, you pay only the publishing fee	50	70
02. Accompanying person (coauthors included) Includes: "Welcome" cocktail, conference materials, coffee breaks	60	80
03. Publication fee (For authors who will participate with posters) Includes: Publication of the paper in one of the international scientific journals depending on the topic, and in the periodical " Scientific Proceedings of Scientific-Technical Union of Mechanical Engineering ", CD with all papers, presented at the conference and A1 print of the poster paper.	50	70
04. Additional payments:		
4.1 to receive the volume of the journal (conference proceedings) at the conference	20	20
4.2 to receive the journal (conference proceedings) by mail;	30	30

OVERNIGHT STAYS

Hotel "ELA"*** - BOROEVETS

Price per night: single room 35 Euro, double room - 40 Euro

Hotel "RILA"***- SOFIA

Price per night: single room 35 Euro, double room - 40 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: PRCBBSF

Beneficiary: NTS Mashinostroene-Industry 4.0

Please write in the payment document "**tsim-17**" and your registration number which you may find here: <http://www.youngconference.com/> 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.

GENERAL INFORMATION

THE VENUE

Hotel Ela

Registration, opening, plenary and sectional sessions: **Hotel Ela (Fir-tree)***.**

Address: Samokov, Borovets resort, Hotel Ela.

ACCOMMODATION

Hotel Ela (Fir-tree)*** at the Borovets winter resort.

The Borovets winter resort is located at 1350 m above the sea level on the northern slopes of the Rila mountain, 70 km southeasterly from Sofia and 10 km from the town of Samokov. The climate of the resort is temperate; the winter is mild with loads of snow. The average temperature in January – the coldest month is minus 4,8 C°. Usually the ski season starts in the beginning of December and closes in April.

Hotel Ela is located in the ideal centre of the Borovets winter resort. The hotel is situated close to the gondola lift station for Yastrebets and the Musala peak (2925 m) and 300 m from the drag lifts.

Visual information about the resort "Borovets" can be found at:

<https://www.youtube.com/watch?v=WUMNYPQ5W1Y>

<https://www.youtube.com/watch?v=GjRGTnSNEA0>

Address: Samokov, Borovets resort, Hotel Ela

In case you travel by car, you can use the GPS coordinates of Hotel Ela:

GPS - 42.26757, 23.60381

CITY TRANSPORT TO HOTEL ELA

From Sofia Airport by underground to Joliot-Curie station. The South coach station is located 50 m in the south of the underground station, under the bridge of Dragan Tsankov boulevard. The buses for Samokov depart every 30 minutes.

The travel duration is 1 hour approximately. Ticket price - 5.00 leva (~ 2.5 €).

Minibuses depart every 30 minutes to the Borovets resort at the Samokov coach station, sector No 2. The travel duration is 10-12 minutes approximately. Ticket price - 1,30 leva (~ 0.65 €). First bus departs for Borovets resort at 7.00 and the last one at 19.00. Taxi fare from Samokov coach station to Hotel Ela: 10-12 leva (~ 5-6 €).

Hotel Ela is located 20 m from the last station, in reverse direction of arrival.

Hotel Rila – City of Sofia

The lodging for the night in Hotel Rila, Sofia is reserved for conference participants, who would like to sightsee Sofia, or the transport connections do not allow an immediate departure to the Borovets resort. The Hotel Rila is located at the exact centre of Sofia, very close to the Serdika underground station.

From Sofia Airport by underground to Serdika station. At 150 meters southeast is located Hotel Rila.

Address: Sofia 6, Tsar Kaloyan St., Hotel Rila.

TIME TABLE

14.03.2018 (Wednesday) Registration of the participants.

15.03.2018 (Thursday) Opening ceremony 10:00. Plenary session. Conference sessions. Poster session. Welcome party.

16.03.2018 (Friday) 09:00 Conference sessions. Closing of the Conference.

17.03.2018 (Saturday) Departure of the participants.

REGISTRATION

In the lobby of the Hotel ELA - Borovets

14.03.2018 from **16.00** to **20.00** and

15.03.2018 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/>) 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

Average air temperature in Borovets in the period 14-17 March, 2017 – minus 2,5 °C.
Snow cover out on the slopes in Borovets during the period 14-17 March, 2016 – 160 cm.
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	30.11.2017
Confirmation of the abstract approval	05.12.2017
The Full text of the paper(s) and Participation Form "B" or online registration should be sent up to	31.01.2018
Payment of the Congress fees	31.01.2018
Announcement of the Congress program on the web page: www.youngconference.com/	01.03.2018
The Organizing Committee will receive posters up to	01.03.2018
Registration of the participants 16.00 - 20.00 h	14.03.2018
08.00 - 10.00 h	15.03.2018
Opening of the conference 10.00 h	15.03.2018
Departure of the participants	17.03.2018

CONFERENCE SECRETARIATE

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