



INTERNATIONAL CONFERENCE OF APPLIED SCIENCES, ENGINEERING AND MATHEMATICS (IBU-ICASEM 2017)

"APPLY THE SCIENCE OF TODAY - CREATE THE OPPORTUNITIES OF TOMORROW!"
5-7 MAY 2017

INTERNATIONAL BALKAN UNIVERSITY

**INTERNATIONAL CONFERENCE OF APPLIED SCIENCES, ENGINEERING AND MATHEMATICS
(IBU-ICASEM 2017)**

***"Apply the Science of Today –
Create the Opportunities of Tomorrow!"***

**5-7 May 2017
OHRID, REPUBLIC OF MACEDONIA**

Dear colleagues,

It is our great pleasure to invite you to the 1st International Conference of Applied Sciences, Engineering and Mathematics (ICASEM 2017), organized by International Balkan University, Skopje by the support of many partner Universities from the region.

ICASEM 2017 intends to promote exchange of ideas, experience and knowledge between scientists and engineers whose interest is focused in the areas of applied sciences and engineering, as well as to encourage collaborative interdisciplinary research activities.

The Conference aims to become a benchmark event by gathering academics, researchers and scholars from various countries, backgrounds and traditions who will discuss and debate on the challenges and opportunities in continuous technological development and engineering achievements.

IBU-ICASEM 2017 will offer ample opportunities for discussions among scientists, scholars, expert from industry and generally all participants in the Conference. Please, engage freely in discussions, share your ideas and build relationships among the group of international researchers, while taking the time to experience and explore Macedonia.

Reserve your time for the days of the Conference, from 5th to 7th of May 2017, while the venue of the Conference will be additionally announced.



INTERNATIONAL CONFERENCE OF APPLIED SCIENCES
ENGINEERING AND MATHEMATICS

CALL FOR PAPERS

Conference topics

The proposed wide areas of themes acts motivating for further research activities, at the same time encouraging the prospective collaboration among academics, researchers and industry. The participants are encouraged to select one of the areas listed below, but not limited to:

Mathematics, education and application, Protein engineering, Industrial Engineering, Electrical and electronics engineering, Computer and communication engineering, Chemistry, chemical and environmental engineering, Architecture and Civil engineering

1. Mathematics, education and application

- Mathematical analysis
- Geometry and topology
- Graph theory and combinatorics
- Probability and statistics
- Applied mathematics: numerical analysis, algebra and computational mathematics
- Teaching Mathematics

2. Protein engineering

- Biophysics
- Genetic engineering
- Cancer genome biology
- Protein engineered biomaterials
- Applications of genetic and protein engineering
- Novel approaches for genetic and microbiology
- Structure and function of proteins and DNA
- Gene expression analysis
- Pharmacogenomics & pharmacoproteomics

3. Industrial engineering:

- Operations research
- Operations management
- Artificial intelligence
- Project management
- Decision analysis
- Production planning and control
- Manufacturing and service systems

- Simulation
- Intelligent manufacturing - Ergonomics

4. Electrical and electronics engineering

- Sensor nodes, circuits, devices
- Parallel and distributed processing architectures and systems
- Image, speech and video processing
- Signal processing
- Electrical circuits and systems
- Semiconductor devices
- Integrated circuits
- Electric drives and application
- Electrical machines, power electronics and industry applications
- Power electronics and power drives
- Power system modeling, simulation and analysis
- Power systems and energy
- Renewable energy

5. Computer and communication engineering

- Service oriented computing
- Intelligent systems
- Artificial intelligence and robotics
- Software platforms and middleware
- Big data, database systems, cloud computing and platforms
- Internet modeling, semantic web and ontologies,
- Mobile wireless networks
- Communication and information theory
- Computer networks
- Wireless and mobile communications
- Wireless sensor networks
- E-learning / mobile learning

6. Chemistry, chemical and environmental engineering:

- Bio and food technology
- Advanced materials and technology
- Medical and pharmaceutical chemistry and technology
- Separation processes
- Process safety and loss management
- Chemical reactor engineering
- Fuel and energy
- Waste and waste water management
- Air pollution control
- Environmental sustainability

7. Architecture and civil engineering:

- Architecture engineering
- Urban planning regulations and participation;
- Urban planning and social inclusion
- Sustainable architecture/design
- Building/cultural heritage in architecture (reconstruction and revitalization of buildings)
- Green cities
- Urbanization of public space
- Ethics in architecture

- Construction materials
- Engineering structures, liability and durability
- Geo-technical engineering
- Seismology
- Structure safety and prevention of disasters
- Hydraulic and hydro-power engineering

Main Organizer

International Balkan University, Macedonia

Conference Partners

Istanbul University, Turkey

Uludağ University, Turkey

Istanbul Technical University, Turkey

Sakarya University, Turkey

Marmara University, Turkey

Dumlupınar University, Turkey

Eskişehir Osmangazi University, Turkey

Karabük University, Turkey

Anadolu University, Turkey

Dzemat Bijedic University of Mostar, Bosnia and Herzegovina

Trakya University, Turkey

AAB University, Kosovo

Kirklareli University, Turkey

PAR Business School, Croatia

International University of Sarajevo, Bosnia and Herzegovina

Honorary Committee

Prof. Dr. İsmail Kocayusufoğlu, Rector of International Balkan University, Macedonia

Prof. Dr. Mahmut Ak, Rector of Istanbul University, Turkey

Prof. Dr. Mehmet Karaca, Rector of Istanbul Technical University, Turkey

Prof. Dr. M. Emin Arat, Rector, Marmara University, Turkey

Prof. Dr. M. Hasan Gönen, Rector of Eskişehir Osmangazi University, Turkey

Prof. Dr. Erhan Tabakoğlu, Rector of Trakya University, Turkey

Prof. Dr. T. Erkan Türe, Rector of International University of Sarajevo, Bosnia and Herzegovina

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Prof. Dr. Yusuf Ulcay, Rector of Uludağ University, Turkey

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Prof. Dr. Lulëzim Tafa, Rector, AAB University, Kosovo

Prof. Dr. Mustafa Ünal, Rector, Akdeniz University, Turkey

Prof. Dr. Refik Polat, Rector, Karabük University, Turkey

Acad. Prof. Dr. Christo Tsvetanov, Bulgarian Academy of Science, Bulgaria

Prof. Dr. Hilmi Hacısalihoğlu, Honored President of Society of Turkish Mathematicians, Turkey

Prof. Dr. Andrzej Kowal, Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland

Conference Structure

Conference Opening
Plenary Sessions
Panel/Session Presentations/Posters/Roundtable/Art Gallery Exhibition

Participant's Profile

The IBU-ICASEM 2017 is addressed to academics, researchers and professionals from all over the world, with a particular interest related to the above given topics. Senior and junior researchers are equally welcome. As the nature of the conference is intended to be multidisciplinary, different academic backgrounds are welcome at the conference. Doctoral candidates and young researchers are invited to submit their papers as well.

Registration Form and Submission Procedure

You can register at IBU-ICASEM 2017 both as a presenter (article presentation) and as a participant (without article, or as an accompanying person)

Please find Registration Form and Abstract Submission online

- **Early registration (Regular fee payment) and abstract submission deadline is 15.03. 2017.**
- **Late registration (Late fee payment) is 15.04.2017.**
- **Abstracts will be reviewed by related scientific committee and authors will be informed about the acceptance as soon as possible after their submission.**

Accepted abstracts will be published in the Book of Abstracts. Your presentation will be scheduled upon payment of the registration fee.

Reviewed full papers will be published in the Conference proceedings. Please make sure that the paper is uploaded through the online system by 31st of August 2017.

Furthermore selected, peer reviewed articles will be published in the journal:

1. Facta Universitatis, Series: Mechanical Engineering, indexed in the following databases: Web of Science, Scopus, DOAJ, BASE, EBSCO, etc. (<http://casopisi.junis.ni.ac.rs/index.php/FUMechEng>).
2. Pending for the approval of other journals that will support the papers publication

Abstract

The abstract should be limited to a maximum of 200 words (body of abstract).

The abstract is a one-paragraph, single-spaced self-contained summary of the most important elements of the paper.

The authors are required to clearly state the context and aim of their study including: introduction, research questions/applied scientific methods, data analysis/findings/main results, and suggestions /conclusions as concise summary of the key points of your research (Do not indent). The abstract must have not more than 6 keywords. It must be written and sent as Word Document, via our web site.

Abstract preparation – please follow this checklist:

- 12-point Arial font
- Single-spacing throughout the document
- Top, bottom, and side margins no less than 7/8 of an inch or 2.2 cm
- Title, author's/authors' affiliation(s), contact information, and topic of the submission
- Abstract not to exceed 200 words (please do not include tables, figures and references)

Publications

Abstracts

The Conference Abstract Book along with related conference materials will be available at the conference. The publication will have an ISSN: and will be published online.

Full Paper publications

1. Conference proceedings

Selected full papers, among those presented as abstracts at IBU-ICASEM 2017, will be published in the conference proceedings which will be available after September 2017. All above papers will be accessible online through the website of the International Balkan University dedicated to ICASEM 2017 (www.icasem2017.ibu.edu.mk).

2. Final paper submission process in journal Facta Universitatis, Series: Mechanical Engineering

- a) 50% of the papers should be from the authors from foreign countries (Macedonia, Serbia, Bosnia and Hercegovina, Crna Gora are not considered as foreign countries)
- b) Papers submitted to the journal should differ from the Conference papers, not just by the format, but in the content as well.

"The FU MechEng guidelines require such submissions to contain a significant amount of new material, that is, material that has not been published elsewhere. New results are desired, but not necessarily required; however, the submission should contain expansions of key ideas, examples, elaborations, etc. of the conference submission. The paper submitted to the journal should differ from the previously published material by (roughly speaking) at least 40 percent. Beside other elements, the paper needs to include a high quality overview of the previous and up-to-date work in the field by other authors as well as a clear statement on the novelty offered by the manuscript."

Topics of the Facta Universitatis, Series: Mechanical Engineering journal: Production Engineering, Thermal and Fluids Engineering, Material Engineering, Structural Design and Optimization, Thermal and Fluids Engineering, Transport and Logistics, Alternative Technology, Biomechanics and Biomedical Engineering, etc.

3. Waiting for the approval of other journals that will support the papers publication

Important Dates and Registration Deadline

Abstract submission deadline:	15 March 2017
Early registration (Regular fee payment):	15 March 2017
Late registration (Late fee payment):	15 April 2017
Conference dates:	5-7 May 2017
Full paper submission:	31 August 2017

Participation Fees

- Paper presentation fee
- Accommodation
- Accommodation for accompanying persons (family members)

Registration	Regular Fee	Late Fee	Early Accommodation* (per person, per night)	Late Accommodation* (per person, per night)	Trip
Participation with paper presentation**	100 €	125 €	40 €	50 €	25 €
Participation without paper presentation***	75 €	100 €	40 €	50 €	
Accompanying Persons (Family Members)	0	0	30 €	30 €	

Remarks:

* Accommodation is organized in double rooms (double occupancy). Single room accommodation will be charged with additional 25 EUR per night.

** Co-authors should register as participants with paper presentation in order to receive Certificate of Presentation. If they participate without presentation of paper they will receive Certificate of Attendance.

*** Participants who do not present a paper during the conference receive certificate of attendance.

Payments

Participation fee payments should be done via bank transaction at the following bank account of the International Balkan University:

IBAN: MK07270701000682116
PRIVATEN MEGUNARODEN BALKANSKI UNIVERZITET
UL. SAMOILOVA BR. 10
SKOPJE, MACEDONIA

SWIFT:
EXPCMK22
HALKBANKM INC., SKOPJE
MACEDONIA

Payment by **MAIL ORDER** is also available.

For this method of payment, please contact: +389 23 214 831

Accommodation

Accommodation venue shall be organized at: **Available Soon**

2-night and 3-night hotel accommodation shall be offered to all international participants.

Language of Conference

Language of Conference: **English and Turkish**

Official language of the Conference **is English and Turkish**

Abstracts and full papers should be written **in English only**

Contact

IBU-ICASEM 2017 Organizing Committee

International Balkan University

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