

**ORGANIZER  
AND  
CO-ORGANIZER**



**SPONSOR**

**ACADEMY OF SCIENCES AND ARTS  
BOSNIA AND HEZEGOVINA**



SOCIETY FOR ROBOTICS  
BOSNIA AND HERZEGOVINA



UNIVERSITY  
OF MOSTAR



UNIVERSITY  
OF TUZLA



UNIVERSITY  
UOF ZENICA



SARAJEVO SCHOOL OF  
SCIENCE AND TECHNOLOGY



INTERNATIONAL  
UNIVERSITY  
OF SARAJEVO



UNIVERSITY  
OF SARAJEVO



INTERNATIONAL  
BURCH UNIVERSITY  
OF SARAJEVO



FOREIGN TRADE  
CHAMBER OF  
BOSNIA AND HERZEGOVINA



SOCIETY FOR ADVANCED  
TECHNOLOGY



TECHNOLOGY PARK  
INTERA MOSTAR

*are organizing*

**4<sup>th</sup> International Conference  
"NEW TECHNOLOGIES"**

# **NT-2018**

**LAST CALL FOR PAPERS**



[www.icnt.robotika.ba](http://www.icnt.robotika.ba)

**Sarajevo, 14<sup>th</sup>-16<sup>th</sup>, June 2018.**  
**ACADEMY OF SCIENCES AND ARTS  
OF BOSNIA AND HERZEGOVINA**

**[www.icnt.robotika.ba](http://www.icnt.robotika.ba)**

## MAIN TOPICS

**Areas of interest include but are not limited to:** New Technology in Mechanical Engineering, Production Systems and Engineering Management, New Technologies in Electrical Engineering, New Technologies in Electronics, New Technologies in Information Management and Communication Systems, New Technology in Civil Engineering, New Technologies in Wood Industry, New Technologies in Textile Industry, New Technologies in the Field of Energy, New Technologies in Metallurgy, New Technologies in Mechatronics, Robotics and Automation, New Technologies in Renewable Energy, New Technologies in Biomedical Engineering, New Technologies in Agriculture, New Technologies in Livestock Breeding, New Technologies in Fruit, New Technologies Quality, Effectiveness and Logistics, New Technologies in Environmental, New Technologies in Ecology, Intelligent Systems, Machine Vision, Security, e-Learning, e-Business.

### **LOCAL ORGANIZING COMMITTEE:**

*Isak Karabegović, University of Bihać, BA, President  
Sead Pašić, University of Mostar, BA  
Darko Bajić, University of Podgorica, MNE  
Milenko Obad, Universit of Mostar, BA  
Safet Isić, University of Mostar, BA  
Mehmed Mahmić, University of Bihać, BA  
Samir Vojić, University of Bihać, BA  
Milena Đukanović, University of Podgorica, MNE  
Ermin Husak, University of Bihać, BA  
Tomislav Grželj, The GRIZELJ Company , Sarajevo, BA  
Amar Vuković, B.Sc.*

### **INTERNATIONAL ORGANIZING COMMITTEE:**

*Mirsad Hadžikadić, Institute Charlotte NC, USA, President  
Zijo Pašić, ANU BA  
Ejub Ganić, ANU BH, University Sarajevo School Sci. and Tech., BA  
Zijad Haznadar, ANU BH, University of Zagreb, HR  
Asim Šabanović, ANU BH  
Dorđe Jovanović, University of Podgorica, MNE  
Miran Brezočnik, University of Maribor, SI  
Mehmet Zeyrek, Middle East Technical University Ankara, TR  
Vidmantas Nemora, University of Kaunas, LN  
Želimir Husnić, The Boeing Company, USA  
Riaz Mirza, University of Lahore, PAK*



### **SCIENTIFIC ADVISORY COMMITTEE:**

*Zijad Haznadar, ANU BH, University of Zagreb, HR, President  
Pašić Z. (BA), Hanjalić K. (BA), Jovanović J. (SRB), Karabegović I. (BA), Muhamad M. Rafi (PAK), Pašić S. (BA), Kovačević A. (UK), Čatović F. (BA), Jovanović Đ. (MNE), Dukić H. (BA), Brezočnik M. (SI), Rogić M. (BA), Bazaras Ž. (LN), Obad M. (BA), Bajić D. (MNE), Daunuys M. (LN), Duket K.E. (USA), Voloder A. (BA), Isić S. (BA), Rezić S. (BA), Jecić S. (HR), Kahn R.A. (BAG), Jovanović O. (MNE), Nožić M. (BA), Čohodar M. (BA), Tiro D. (BA), Dašić P. (SRB), Galović A. (HR), Ekinović S. (BA), Karabegović E. (BA), Husak E. (BA), Muhić Š. (DK), Natraveli A. (USA), Vojić S. (BA), Mahmić M. (BA), Kulenović M. (BA), Bašić H. (BA), Stojkić Ž. (BA), Denjo D. (BA), Hajro I. (BA), Stefanović M. (SRB), Pašagić H. (HR), Vučina A. (BA), Avdaković S. (BA), Jelačić Z. (BA), Kothari V.K. (IND), Riaz M. (PAK), Mićević D. (SRB), Niderer P. (SW), Vitez I. (HR), Vukojević D. (BA), Zhang D. (USA), Kecskemethy A. (DE), Luximon A. (HK), Plančak M. (SRB), Stefanović M. (SRB), Krežić D. (BA), Singh R.P. (IN), Bekto E. (BA), Kovačević S. (HR), Balić J. (SI), Sokolović M. (SI), Zaimović-Uzunović N. (BA), Delalić Z. (BA), Alibabić V. (BA), Hadžikadić M. (USA), Hodžić E. (USA), Dizdar G. (USA), Srkalović G. (USA), Zlatar M. (BA), Žigić I. (BA), Golubović D. (BA), Salah.E.O. (SUD), Lee J.S. (KR), Sing R.P. (IN), Costa F.S. (PR), Zečić Dž. (BA), Badrijević A. (BA), Kevrić J. (BA), Jokić D. (BA), Havziefendić J. (BA), Halilbegović S. (BA), Čekić A. (BA), Bundalo Z. (BA), Calautit J.K. (UK), Mirjanić D. (BA), Tešnjak S. (HR), Brdarević S. (BA), Sprečić D. (BA), Jovanović J. (MNE), Yang X.J. (CN), Diby P. (SK), Tokić A. (BA), Veljović Z. (MNE), Jovanović A. (MNE), Rahul M. (USA), Džonlagić N. (BA), Waleed K.A. (UAE), Savičević S. (MNE), Posavljak S. (BA), Mirjanić-Markuš M. (MNE), Parwadi M. (ID), Amir Maher S.L. (UK), Milovanović M. (SRB), Nikolić V. (SRB), Erklig A. (TR), Tarek M. (CA), Kovač A. (MK), Širok B. (SI), Juraga I. (HR), S. Sheik M. (OMAN), Samardžić I. (HR), Čosović-Bajić S. (HR), Kiss I. (RO), Subramoniai S. (MY), Doroslovački R. (SRB), Hrasnica M. (BA), Lovrić I. (BA), Knežević M. (MNE), Khan M.S. (PAK), Ali Sabea H. (IQ), Špago S. (BA), Wein P.S. (TW), Saridarg F.D. (TR), Jašarević S. (BA), Habibzadeh A. (IR), Safdar A. (SE), Xhaxhiu K. (AL), Damić M. (SRB), Ogurli Y. (TR), Noman N. (KR), Ismail O. (SIR), Omerdić M. (BA), Teerawong L. (TH), Yıldırım A. (TR), Masi A. (IT), Kurtanović O. (BA), Athapathithu A. M. R. G (JP), Khan K. (BAN), Yadav K. (SA), Đukanović M. (MNE), Hadžiabdić M. (BA), Nukathathi R.K. (CAN), Trišović N. (SRB), Uzunoglu M. (TR), Nariman N.A. (DE), Nikolić D. (MNE), Šabanović A. (TR), Ferizović M. (BA), Mandžić E. (BA), Bischof S. (HR), Šarić T. (BA), Mišković A. (BA), Zeyrek M. (TR), Trifiletti A. (IT), Stanković S. (SRB), Rančić M. (SRB), Molnar R. (SRB), Muhasilović M. (DE), Egrić A. (BA), Džafić I. (BA), Banjanović-Mehmedović L. (BA), Jovanović M. (SRB), Jankes G. (SRB), Tabaković M. (BA), Husnić Ž. (USA), Kuzmanović I. (HR), Mihail T. (RO), Kazani I. (AL).*

## **GENERAL INFORMATION:**

*Important dates:*

*Submission of abstracts December 30<sup>th</sup>, 2017.  
Notification of abstract acceptance January 15<sup>th</sup>, 2018.  
Submission of manuscripts January 30<sup>th</sup>, 2018.  
Notification of manuscript acceptance Mart 31<sup>th</sup>, 2018.  
Fee payment May 30<sup>th</sup>, 2018.  
Registration May 31<sup>th</sup>, 2018.  
Conference will be held on June 14<sup>th</sup> – 26<sup>th</sup>, 2018.*

*The conference fee is 100 Euro and it should be paid after paper has been accepted for publishing to: RAIFFEISEN BANKA dd.BiH,Bihać,  
C.N. of bank 1610350000000042,  
SWIFT CODE RZBABA2S,C.N. for payment:502012000,User:UDRUŽENJE DRUŠTVO ZA  
ROBOTIKU-SOCIETY FOR ROBOTICS,with remark "Registration for NT-2018", and name of Author.*

*The conference fee for authors from Bosnia and Hercegovina is 150 KM and it should be paid after paper has been accepted for publishing to:  
RAIFFEISEN BANKA dd.BiH,Bihać,  
C.N. of bank 1610350010380012,  
SWIFT CODE RZBABA2S,  
User: UDRUŽENJE DRUŠTVO ZA ROBOTIKU-SOCIETY FOR ROBOTICS with  
remark "Registration for NT-2018", and name of Author.*

*Conference languages are Bosnian and English.*

## **USEFUL INFORMATION FOR PARTICIPANTS:**

*Hotel reservation:*

[www.booking.com/Sarajevo-Hoteli/](http://www.booking.com/Sarajevo-Hoteli/)

## **CORRESPONDENCE ADDRESS:**

*SOCIETY FOR ROBOTICS  
of Bosnia and Herzegovina  
Petog korpusa 3.  
77000 BIHAĆ  
BOSNIA AND HERZEGOVINA  
Tel: +387(0) 37 226 273  
Fax: +387(0) 37 226 273  
[www.robotika.ba](http://www.robotika.ba)  
E-mail: [isak1910@hotmail.com](mailto:isak1910@hotmail.com)  
E-mail: [ic.newtech@gmail.com](mailto:ic.newtech@gmail.com).  
Web: [www.icnt.robotika.ba](http://www.icnt.robotika.ba)*

## **CONTACT:**

*Isak Karabegović, President of Organizing Committee  
UNIVERSITY OF BIHAĆ  
TECHNICAL FACULTY OF BIHAĆ  
UL.Irfana Ljubijankića bb., BIHAĆ  
Bosnia and Herzegovina  
+387(0)37 226 273  
E-mail: [isak1910@hotmail.com](mailto:isak1910@hotmail.com)*

## CALL FOR PARTICIPATION AND FIRST ANNOUNCEMENT:

# 4<sup>th</sup> International Conference "New Technologies NT-2018"

### SPONSOR



AKADEMIJA NAUKA I UMLJETNOSTI BOSNE I HERCEGOVINE  
АКАДЕМИЈА НАУКА И УМЈЕТНОСТИ БОСНЕ И ХЕРЦЕГОВИНЕ  
ACADEMY OF SCIENCES AND ARTS OF BOSNIA AND HERZEGOVINA



### ORGANIZER

SOCIETY FOR ROBOTICS  
BOSNIA  
AND  
HERZEGOVINA

### CO-ORGANIZERS

• UNIVERSITY  
“DŽEMAL BIJEDIĆ”  
OF MOSTAR

• UNIVERSITY  
OF  
TUZLA

• INTERNATIONAL  
UNIVERSITY OF  
SARAJEVO

• UNIVERSITY  
OF ZENICA

• UNIVERSITY  
OF SARAJEVO

• SARAJEVO SCHOOL  
OF SCIENCE AND  
TECHNOLOGY

• INTERNATIONAL  
BURCH UNIVERSITY  
OF SARAJEVO

• FOREIGN TRADE  
CHAMBER OF  
BOSNIA AND  
HERZEGOVINA

• SOCIETY FOR  
ADVANCED  
TECHNOLOGY

• TECHNOLOGY  
PARK INTERA  
OF MOSTAR

Dear Colleagues,

It is my pleasure to invite you to attend 4<sup>th</sup> International Conference "New Technologies NT-2018". Conference hosts are Academy of Sciences and Arts of Bosnia and Herzegovina, Society for Robotics of Bosnia and Herzegovina, University of Mostar, University of Tuzla, University of Zenica, University of Sarajevo, Sarajevo School Science, International University of Sarajevo, Society for Advanced Technology and Technology park INTERA. Conference will be held in Sarajevo from 14<sup>th</sup> to 16<sup>th</sup> June 2018. Conference will gather scientists and entrepreneurs to exchange knowledge and to implement new technologies in practice. All information about conference, including topics, deadlines, manuscript templates, etc could be found at conference webpage [www.icnt.robotika.ba](http://www.icnt.robotika.ba)

Submitted paper should be written in four to eight (4 - 8) pages.  
For further questions contact us by e-mail.

[ic.newtech@gmail.com](mailto:ic.newtech@gmail.com).

Sincerely !

Contact person: Isak Karabegović, University of Bihać, BH  
[isak1910@hotmail.com](mailto:isak1910@hotmail.com)

We kindly request that you forward this announcement to other colleagues who might be interested.



**Sarajevo, 14<sup>th</sup>-16<sup>th</sup>, June 2018.**  
**ACADEMY OF SCIENCES AND ARTS**  
**OF BOSNIA AND HERZEGOVINA**

**[www.icnt.robotika.ba](http://www.icnt.robotika.ba)**