ISCP 2017 Annual Conference

RESEARCH TO BUSINESS CONFERENCE ON ITALIAN-SERBIAN COLLABORATION PLATFORM IN ADVANCED MANUFACTURING

Working TOGETHER Towards INDUSTRY 4.0

18 May 2017, Belgrade Serbia

Under the patronage of the NATIONAL TECHNOLOGY PLATFORMS of SERBIA – NTPS Programme
Developed and implemented by the Academy of Engineering Sciences of Serbia - AESS

Jointly Supported by the Serbian Government, the Italian Embassy in Serbia and Italian Ministry of Foreign Affairs and International Cooperation

Government of the Republic of Serbia
Ministry of Economy

Ambasciata d'Italia
Belgrado

Ministero degli Affari Esteri
e della Cooperazione Internazionale

Government of the Republic of Serbia
Ministry of Education, Science and Technological Development

This event is organized in partnership with the 61st International Fair of Technics and Technical Achievements
15 – 19th of May 2017, Belgrade Fair - UFI Approved event

The International Fair of Technics and Technical Achievements is the most important professional gathering and exhibition of the latest manufacturing technologies in Serbia and the South East Europe, with a high technical and economic impact to industrial development in the country and the region.

ISCP 2017 Research to Business Conference on
Italian-Serbian Collaboration Platform in Advanced Manufacturing

Date:	18 May 2017, 10:00–17:00
Host institution:	Belgrade Fair, Bulevar vojvode Mišića 14, 11000 Belgrade, SERBIA
	Festive Room at the Head Office, www.belgradefair.com
Organization:	Academy of Engineering Science of Serbia, AESS, Italian Association of Automation and Mechatronics, AIdAM, Association of Italian and Serbian Scientists and Scholars, AIS3, Chamber of Commerce and Industry of Serbia, CCIS, Belgrade Chamber of Commerce, BCC, CONFINDUSTRIA Serbia, UCIMU-Sistemi per produre, ICE Serbia - Italian Trade Agency in Serbia, The BioRobotics Institute of Sant'Anna School of Advanced Studies – Pisa, Italy, and Belgrade Technical Fair
Language:	Italian and Serbian with simultaneous translation; All written and presentation material in English
WEB registration:	http://tehnika.talkb2b.net/members/register

CONFERENCE PROGRAMME / TENTATIVE

Working TOGETHER Towards INDUSTRY 4.0

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10:00	Registration
10:30	Opening ceremony Welcome: Danka SELIĆ, CEO, Belgrade Fair, Serbia Opening addressing: Michele MEROLA, President of the ISCP Alliance for Industrial Technology Innovation, Italian Association of Automation and Mechatronics, AIdAM, Italy; Branko KOVAČEVIĆ, President of the Academy of Engineering Sciences of Serbia, AESS, Professor at University of Belgrade, Faculty of Electrical Engineering, Belgrade, Serbia; Ivanka POPOVIĆ, Vice-Rector of the University of Belgrade and President of AIS3 Association, Serbia; Giuseppe MANZO, Ambassador, Embassy of Italy in Serbia, Italy; Vladimir POPOVIĆ, Secretary of State, Ministry for Education, Science and Technological Development, Government of the Republic of Serbia, Serbia;
10:55	Break
11:00	Panel discussion: INDUSTRY 4.0 - PROSPERITY THROUGH TECHNOLOGY AND INNOVATION Serbia on the crossroad – Regional Technology Leader or Permanent Stagnation? Moderator: Sanja VRANEŠ, Director of the Institute Mihajlo Pupin, Belgrade, Serbia; Introduction: Industry4.0@FedericoII.Italy: CeSMA PROJECT, Leopoldo ANGRISANI, Professor at Università degli Studi di Napoli Federico II, Direttore del CeSMA – Centro di Servizi Metrologici Avanzati, Italy; Panelists: Maria Chiara CARROZZA, Member of the Italian Parliament; Former Italian Minister of Education, Universities and Research, MIUR; Professor of Biorobotics at Sant'Anna Scuola of Advanced Studies - Pisa, President of the Italian National Bioengineering Group, Italy; Mihailo VESOVIĆ, Director of Chamber of Commerce and Industry of Serbia, Serbia; Michele VISCARDI, President of the Italian Association of Automation and Mechatronics - AIdAM, COSBERG Group S.P.A. Terno d'Isola (BG), Italy; Željko SERTIĆ, Director of Development Agency of Serbia – RAS, Former Serbian Minister of Economy, Serbia; TBC! Giovanni MAFODDA, Director of ICE Italian Trade Agency in Serbia – ITA Serbia, Italy; Open discussion with the audience
12:30	Break for lunch

13:30	Industry Session:	FACTORIES OF THE FUTURE AND MASS DIGITIZATION OF MANUFACTURING – We need to be better organized, build partnerships and accelerate
	Introduction:	Fabbrica Intelligente Club in Serbia, Tullio TOLIO, Director of the Institute of Industrial Technologies and Automation (ITIA-CNR), Professor at Polytechnic University of Milan (POLIMI), President CTS of the Cluster Intelligent Factories, Italy; Joining regional competence forces for digitalization of manufacturing industry carried out through the Italian Cluster Intelligent Factories (CFI) - Know-How and Show-How of Factory of the Future for Industry 4.0
	Moderator:	Irena BRAJOVIĆ, Director of CONFINDUSTRIA Serbia
	Panelists:	Representatives of three Italian and three Serbian Companies (in process of confirmation)
14:45	Break	
15:00	Research to Business Session:	ENGINEERING EDUCATION FOR INDUSTRY 4.0 – Challenges and opportunities
	Keynotes:	INDUSTRIAL ROBOTICS IN EUROPE – Status Quo, Ongoing Challenges and Future Prospects, Bruno SICILIANO, Professor at Università degli Studi di Napoli Federico II, Member of the Board of Directors of euRobotics AISBL, past President of IEEE Robotics & Automation Society, Italy
		ROBOT-ROBOT OR ROBOT-HUMAN INTERACTION IN NEXT GENERATION MANUFACTURING - Awareness and Re-Action, Aleksandar RODIĆ, Head of Robotics Laboratory, Institute Mihajlo Pupin, Serbia
		TRANSLATING BIOENGINEERING RESEARCH INTO INDUSTRY 4.0 APPLICATIONS: The Case Study of Multisensory Telepresence, Calogero ODDO, Assistant Professor at Sant'Anna Scuola of Advanced Studies - Pisa, Head of the Human Machine Nexus Laboratory, Neuro-robotics Area, The BioRobotics Institute, Pisa, Italy;
		COMAU ANSWERS TO CURRENT ROBOTICS MACROTRENDS, Vincenzo MARINO, Head of General Industry Business Platform and Global Customer Services, COMAU, Italy;
		INTEGRATION OF INDUSTRY 4.0 IN ENGINEERING EDUCATION - Challenges for the human factor in next generation manufacturing, Petar B. PETROVIĆ, Professor at Faculty of Mechanical Engineering, Head of the Cyber-Manufacturing Systems Laboratory, University of Belgrade, Fellow of the Academy of Engineering Sciences of Serbia, AESS, Serbia;
16:15	Closing Session Concluding remarks and future activities	
16:30 - 17:00	Farewell party	

The **Italian-Serbian Collaboration Platform in Advanced Manufacturing Technologies and Systems, ISCP**, is founded on 2013 as a joint initiative of the Academy of Engineering Sciences of Serbia – AESS and the Italian Association of Automation and Mechatronics, AIdAM, intended to strengthen and facilitate Italian-Serbian economic relations through intensive and industry-research intertwined collaboration in industrial technology innovation.
The ISCP Initiative is dedicated to achieve the following general objectives:

Objective 1: Establishment of an Effective Framework for Technology Innovation for the enhancement of the bilateral economic relations between Italy and Serbia by boosting innovation in the domain of manufacturing industry (including food manufacturing).

Objective 2: Fostering Scientific, Research and Technology Innovation activities within the framework of the bilateral Italian and Serbian relations carried out in the domain of Advanced Manufacturing Technologies and Systems, especially in the field of Mechatronics, Robotics and Factory Automation (including automation of assembly processes and similar) through: a) Institutional partnerships, b) Joint bilateral projects (with industrial partners included in project consortia), c) Joint activities / initiatives at European level - ERA domain (ERA = European Research Area) with the focus on H2020 Framework Programme for research and innovation, and d) Joint programmes for young researchers, including mobility (focus on PhD level - future building).

Objective 3: Dissemination and promotional activities in the domain of Advanced Manufacturing Technologies and Systems.

Following the Executive Programme of Scientific and Technological Cooperation between Italy and Serbia for the years 2016 – 2018, the bilateral project: **Human - Robot Co-Working as a Key Enabling Technology for the Factories of Future, project ID: PGR00758 / 2017**, coordinated by the Sant'Anna Scuola for Advanced Studies – Pisa, The BioRobotics Institute and the University of Belgrade, Faculty of Mechanical Engineering, CyberManufacturing Laboratory, is approved for financing as a project of Particular Relevance in the field of Advanced Manufacturing Technologies. The project aims at bolstering the bilateral relationships between Italy and Serbia in the domain of Industry 4.0 technologies for advanced manufacturing, namely robotics, mechatronics and intelligent factory automation, following the successful collaborations which were established between the two Countries; This domain is recognized as especially important for fostering technological readiness of Serbian companies and manufacturing entrepreneurship, and thus enhancing the general ambient for further sustainable development of economic relations through more intensive collaboration and partnerships between Italian and Serbian industrial companies, especially in high value-added manufacturing. The project addresses **human-robot co-working for the factories of the future** and is structured along three general objectives:

- Joint research and technological development activities,
- Knowledge transfer via dissemination and educational initiatives, and
- Long term sustainability.

Acknowledgement: Con il contributo del Ministero degli Affari Esteri e della Cooperazione Internazionale, Direzione Generale per la Promozione del Sistema Paese.

Access to the conference venue

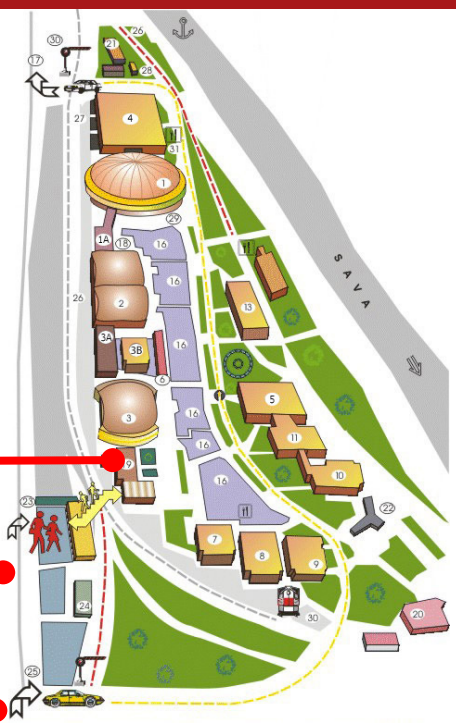
BELGRADE FAIR

A place that was seen by the whole world

Conference venue:
Belgrade Fair, Bulevar vojvode Mišića 14, 11000 Belgrade,
Festive Room at the Head Office

Pedestrian site entrance: Main entrance for visitors of the Belgrade Fair
Tickets for the Technical fair are not required!

Entrance by passenger car
Sufficient parking space available
Tickets for the Technical fair are not required!



Under the patronage of the **National Technology Platforms of Serbia** – NTPS Programme

NTPS

The NTPS Program is conceived and coordinated by the Committee for Technological Platforms, established by the Academy of Engineering Sciences of Serbia - AESS in 2010 with a goal to implement long-term research and coordination activities on strengthening and re-engineering of technological foundations of the industry of Serbia, based on its extensive multidisciplinary engineering resources and a firm connections with scientific and educational institutions, industrial companies and industrial expert associations. The second task set to the NTPS program is the establishment of a new formal framework for acting in the domain of integration processes of Serbian industry into the technological and economical space of European Union.

AESS is a member of the European Council of Applied Sciences Technologies and Engineering - Euro-CASE

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