

USA – EU – Far East – Serbia
Manufacturing Summit

4th Conference on the Industry
4.0 Model for Advanced
Manufacturing

INDUSTRY 4.0 and Internet
of Things for Manufacturing

3rd – 6th June, 2019, Belgrade, SERBIA

www.mefics.org



Republic of Serbia - Ministry of Education, Science and
Technological Development

Support by the Shien-Ming Wu Foundation, USA and Government
of Serbia

with collaboration of most highlevel domestic and international
institutions/organisations and persons

Motto: Think and learn globally, act locally !



FCA Kragujevac - U.S. Commercial Service, American Embassy Belgrade
- Science Technology Park, Belgrade – Springer, Berlin



University of Belgrade, Chamber of Commerce and
Faculty of Mechanical Engineering Industry, Serbia

AbelaPharm d.o.o.



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**Main topic: INDUSTRY 4.0 AND INTERNET OF THINGS FOR
MANUFACTURING**

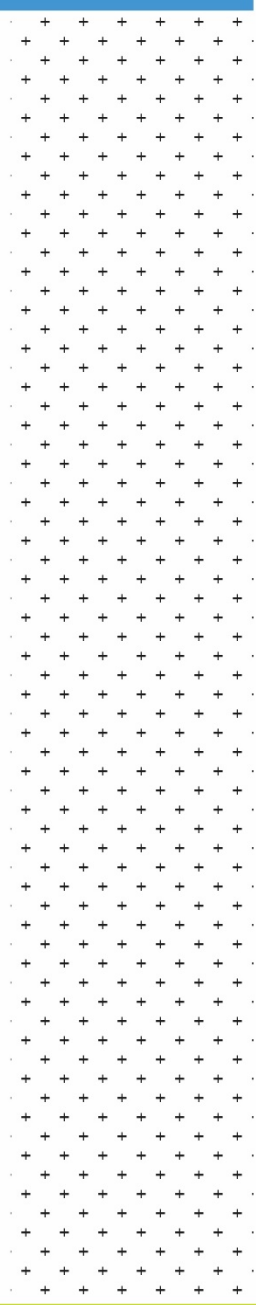
Objective: White paper on main topic !

After great success of three Conferences: **USA-EU-Japan-Serbia
Manufacturing Summit, Belgrade, 2016**, with main topic - Advanced
Manufacturing Program – INDUSTRY 4.0 model for Serbia, of **2017 – New
Conference with advanced topic – Smart and Intelligent Products, at last
year 2018**, on topic – Industry 4.0 for SMEs .

The main objective of this conference will be to bring together leading world experts to discuss the challenges and opportunities of the new Industry 4.0 model of manufacturing. Our hope is that such an even will assist in the development and growth of new innovative manufacturing industries in Serbia, producing smart products with intelligent characteristics, and relying on modern, new manufacturing processes and systems.

Conference will be hosted by the Faculty of Mechanical Engineering of the University of Belgrade. Belgrade is the capital city of Serbia, located at the scenic confluence of two major European rivers, with a uniquely remarkable and turbulent history, and a vibrant cultural and entertainment scene. University of Belgrade has a long tradition of academic excellence, where great minds from Nikola Tesla to Milutin Milankovic held lectures or were faculty. Its engineering still remains exceptionally respected in Europe, with its alumni scattered in top universities around the globe. Faculty of Mechanical Engineering in Belgrade is the largest such school in south-eastern Europe and one of the largest in Europe. Exciting lab tours and ample networking opportunities with faculty and students from this school will be organized for conference attendees.

**Invited papers/best practices and experiences presentation by world-wide
and national experts.**



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Relevant people who will include policy makers, company managers, as well as representatives of industrial associations and academia, discussed possible concrete policy measures and actions that could be launched in the coming period – 2020/2030, to leverage national efforts in this area to speed up the modernization of the Serbian industry, based on new generation of products – smart products.

Main topics of interest for this conference include, but are not limited to:

- Industry 4.0 model framework
- Design of smart and Intelligent products
- Innovative design and development of intelligent products
- Internet of Things for Manufacturing
- Big data challenges, data integrity, accuracy and authenticity
- Cloud Computing, cloud-based products, Cloud Manufacturing
- Cyber-Physical Manufacturing
- Manufacturing automation in the Industry 4.0 model
- Manufacturing systems and enterprise models for Industry 4.0
- Advanced Manufacturing
- Engineering education for Industry 4.0
- What we can do ?
- Roadmap for AM based on I4.0 model in Serbia.

Conference Organisation 2019:

Conference chair: Prof. Dr. Yoram Koren, The University of Michigan, Ann Arbor, Michigan, USA.

Conference co-chairs:

1. Prof. Dr. Dragan Djurdjanovic, Department of Mechanical Engineering, University of Texas, Austin, TX, USA.
2. Prof. Dr. Vidosav Majstorovic, Belgrade University, Faculty of Mechanical Engineering, Belgrade, Serbia;
3. Prof. Dr. Jack Hu, The University of Michigan, Ann Arbor, Michigan, USA. – for North America region;
4. Prof. Dr. Jozsef Vancza, (Chair of the CIRP STC-O), SZTAKI, TU Budapest, Budapest, Hungary – for EU region;
5. Prof. Dr. Yashiro Takaya, Osaka University, Osaka, Japan - for Far East region.

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Panelists: *Please see list of invited Speakers for AMP I4.0 2019 (www.mefics.org).*

Representative from Serbia (invited):

1. Prime Minister
2. Minister of Economy and Minister of Education, Science and Tehnological Development
3. President of Chamber of Commerce and Industry of Serbia / Belgrade
4. General Managers of top 20 Factories from Serbia and Software Companies
5. Representative from Belgrade, Novi Sad, Kragujevac and Nis University
6. Others (nacional/international relevant institutions-organizations from Serbia who are involved in main Workshop topic)

Draft Agenda of Conference:

Day 1: Lecturing and learning from the best examples in the world. Take global lessons.

Day 2: Case studies of HIGH TECH ADVANCED manufacturing in Serbia.

Day 3: Panel and presenting to government officials (hopefully 30-60 minutes with the prime minister).

Only invited papers by the leading world experts will be offered at the conference. Authors of all papers will also be invited to convert their papers into book chapters that will be **published by Springer** in a book based on this conference.

For full paper deadline according Springer template – 15th December 2018. For more information, please contact Prof. Dr. V. Majstorovic – vidosav.majstorovic@sbb.rs

Welcome on AM Program Conference, June 2019, Belgrade.

Proposed by

*Prof. Dr. Y. Koren
Prof. Dr. D. Djurdjanovic
Prof. Dr. V. Majstorovic
Prof. Dr. R. Mitrovic*

Avg. 2018, Belgrade.