Водећи светски експерти за технолошки разој на Петом технолошком самиту у Београду:

1. Prof. Dr. Lihui Wang, KTH Stockholm, Sweden (CIRP Fellow). *Cloud Manufacturing.*
https://www.kth.se/profile/lihuiw
Overview of human-robot collaboration in manufacturing, **Lihui Wang**, Sichao Liu, Hongyi Liu, and Xi Vincent Wang, Department of Production Engineering, KTH Royal Institute of Technology, Sweden.

2. Prof. Dr. Vidosav D. Majstorovic, Belgrade University, Serbia (CIRP Fellow); *I4.0 Program.*
http://www.mas.bg.ac.rs/fakultet/nastavnici/95
Assessing Industry 4.0 readiness in manufacturing companies from Serbia,
Vidosav D. Majstorović , Radivoje M. Mitrović and Žarko Z. Mišković, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia.

3. Prof. Dr. Dimitris Mourtzis, (CIRP Fellow), University of Patras, Dept. of Mech. Eng. & Aeronautics, Lab. for Manuf. Systems & Automation (LMS), Rio-Patras, Greece. *Prod. Systems Planning Control & Networking, Manuf. Systems Design, Manuf. Systems Flexibility.*
http://www.mead.upatras.gr/lang_en/personnel/view/42 ,
An Adaptive Scheduling Method Based on Cloud Technology: A Structural Steelwork Industry Case Study, **Dimitris Mourtzis**, Antonis Gargallis, John Angelopoulos, Nikos Panopoulos , Laboratory for Manufacturing Systems and Automation, Dept. of Mechanical Engineering and Aeronautics, University of Patras, Greece.

4. Prof. Dr. Emanuele Carpanzano (CIRP Fellow), Department of Innovative Technologies, University of Applied Sciences and Arts of Southern Switzerland, Manno, Switzerland. *Industry 4.0.*
http://www.supsi.ch/home_en/strumenti/rubrica/dettaglio.6735.html
Closed-loop control by laser power modulation in Direct Energy Deposition Additive Manufacturing, Stefano Baraldo, Ambra Vandone, Anna Valente and Emanuele Carpanzano, SUPSI, Institute of Systems and Technologies for Sustainable Production, Department of Innovative Technologies, University of Applied Sciences and Arts of Southern Switzerland.

5. Prof. Dr. Giovanni Moroni, (CIRP Fellow), Politecnico di Milano, Mechanical Engineering Department, Milano, Italy. *Coordinate Measuring Machine, Tolerancing, Statistical Process Control.*
http://www.mecc.polimi.it/en/research/faculty/faculty/prof-giovanni-moroni/
On standardization efforts for additive manufacturing, Giovanni Moroni, Stefano Petrò, and Huan Shao, Politecnico di Milano, Department of Mechanical Engineering Via Giuseppe la Masa 1, 20156, Milan, Italy.

6. Prof. Dr. Luigi Maria Galantucci, (CIRP Fellow), Politecnico di Bari, Dip. di Ingegneria Meccanica e Gestionale, Bari, Italy. *Reverse Engineering, Rapid Prototyping, Laser Processing.*
http://poliba.academia.edu/LuigiMariaGalantucci/CurriculumVitae,

Artefacts used for testing 3D optical-based scanners, Maria Grazia Guerra, Fulvio Lavecchia and **Luigi Maria Galantucci**, Dipartimento di Meccanica Matematica e Management, Politecnico di Bari, 70123 Bari Italy.

7. Prof. Dr. Dragan Đurđanović, The University of Texas at Austin, Austin, USA. *Advanced quality control in multi-station manufacturing systems. Big data analytics.*

http://www.me.utexas.edu/faculty/faculty-directory/djurdjanovic

Similarity Based Methodology for Industrial Signal Recovery, Ramin Sabbagh[1], Alec Stothert[2], and **Dragan Djurdjanovic**[1], [1] University of Texas at Austin, Dept. of Mechanical Engineering, Austin, TX 78712, USA, [2] The Mathworks, Inc., Natick, MA 01760, USA.

8. Prof. Dr. Volkan Patoglu, Faculty of Engineering and Natural Sciences, Sabanci University, Istanbul, Turkey. *Mehatronics*.
http://myweb.sabanciuniv.edu/vpatoglu/
Multi-Modal Multi-Agent Path Finding with Optimal Resource Utilization, Aysu Bogatarkan[1], Esra Erdem[1], Alexander Kleiner[2] and **Volkan Patoglu**[1], [1] Sabancı University, Faculty of Engineering and Natural Sciences, İstanbul, Turkey, [2] Robert Bosch GmbH, Corporate Research, Stuttgart, Germany.

9. Prof. Dr. Numan Durakbasa, TU Vienna, Manufacturing Metrology Lab., Vienna, Austria. *Advanced Metrology and Quality Management.*
https://cec.tuwien.ac.at/key_facts/faculty/faculty_member/EN/?user_cecfaculty_pi1%5BshowUid%5D=872&cHash=9a37ca831e2274147eb22e2be0a26d50
The Importance of CT in Industry 4.0 by supplying Quality and GPS Standards for several Production Methods such as Additive Manufacturing, Cem Yurci[1] and **Numan M. Durakbasa**[2], [1] Yildiz Technical University, Mechanical Engineering Department, Istanbul, Turkey, [2] Vienna Technical University, Industrial Metrology and Adaptronic Systems, Institute of Production Engineering and Photonic Technologies, Vienna, Austria.

10. Prof. Dr. Peter Monka / Prof. Dr. Katarina Monkova, TU Presov, Presov, Slovakia. *Advenced Manufacturing in Slovakia.*

http://www.fvt.tuke.sk/sk/pracoviska ,

A bending test of the additively produced porous sample, **Katarina Monkova**[1,2], **Peter Pavol Monka**[1,2], Jozef Tkac[1] and Jan Vanca[1] Technical University in Kosice, Faculty of manufacturing technologies, Presov, Slovakia, [2] UTB Zlin, Faculty of technology, Vavreckova 275, Zlin, Czech Republic.

11. Prof. Dr. Dimitris Kiritsis, Honorary Chair of IFIP-WG5.7, Ecole Polytechnique Fédérale de Lausanne STI-IGM-LICP, Swiss. *ICT for Sustainable Manufacturing*.
https://people.epfl.ch/dimitris.kiritsis/bio?lang=en&cvlang=en

Cognitive Twins for Supporting Decision-Makings of Internet of Things Systems, Jinzhi Lu[1], Xiaochen Zheng[1], Ali Gharaei[1], Kostas Kalaboukas[2], **Dimitris Kiritsis**[1] [1]EPFL - École Polytechnique Fédérale de Lausanne, Lausanne, 1015, Switzerland, [2] SingularLogic SA, Athens, Greece.

12. **Dr. Ömer.S. Ganiyusufoglu**, CIRP President CMAG, Chairman of Shenyang Machine Tool (Group) Co., Ltd., China. *Advanced Manufacturing.*

„BRI – Belt & Road Initiative of China" - A global and deep view of the initiative by an insider –, **Dr. Ömer Sahin Ganiyusufoglu**, Shenyang Machine Tool (Group) Co., Ltd.

13. **Dr. Hideaki Hohnoki**, COHO Consulting, LLC., New Technology Association of Japan, Shiba city, Japan. *Advanced Manufacturing in Japan.*
Strategic Approach for Robotics Development in SME by Value Linkage Concept, **Hideaki Hohnoki**, COHO Consulting, 261-0013, Chiba, Japan.

14. **Prof. Dr. Dragan Đuričin**, BU – Faculty of Economics, Belgrade. *Economic policy and I4.0.*

http://www.ekof.bg.ac.rs/dragan-djuricin-phd/?lang=en,

Rejuvenation of Business Management Tools in Industry 4.0, **Prof. Dr. Dragan Đuričin**, Dr. Iva Vuksanović Herceg, University of Belgrade, Faculty of Economics, Belgrade, Serbia.

15. **Prof. Dr. Davorin Kramar**, FS, Ljubljana, Ljubljana, Slovenia. *Advanced and Hybrid Manufacturing Processes.*

http://lab.fs.uni-lj.si/lazak/lazak.html ,

Abrasive Flow Machining of 3D printed metal parts – A scientific review with extension on industrial needs, Luka Kastelic[1], **Davorin Kramar**[2] and Franci Pušavec[3], [1, 2, 3] Faculty of Mechanical Engineering, Ljubljana, Slovenia.

16.

Prof. Dr. Jerzy A. Sładek, Politechnika Krakowska, Kraków, Poland. *Advanced Metrology.*
http://lmw.pk.edu.pl/web/index.php?lang=en.

Prof. Dr. Adam Gąska, Politechnika Krakowska, Kraków, Poland. *Advanced Metrology.*
http://lmw.pk.edu.pl/web/index.php?lang=en.

Challenges For Uncertainty Determination In Dimensional Metrology Put By Industry 4.0 Revolution, **Adam Gąska**[1], **Jerzy Sładek**[1]and Piotr Gąska[1],[1]Laboratory of Coordinate Metrology, Cracow University of Technology, al. Jana Pawla II 37, 31-864 Cracow, Poland.

17. **Prof. Dr. Shreyes N. Melkote** (CIRP Fellow), Georgia Institute of Technology, Manufacturig Research Center, Atlanta, Georgia, USA. *Machining Processes, Photovoltaic Manufacturing, Fixturing/Part Handling.*
http://www.me.gatech.edu/faculty/melkote.shtml.
Manufacturing Process Monitoring and Control in Industry 4.0, Vinh Nguyen and **Shreyes N. Melkote**, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, 813 Ferst Drive NW, Atlanta, Georgia, 30332, USA.

18. **Prof. Dr. Mijodrag Miloševic / Prof. Dr. Dejan Lukić**, Faculty of Technical Science, Novi Sad, Serbia. *Cloud Manufacturing.*
http://www.ftn.uns.ac.rs/699800599/list-of-employees-within-organizational-unit
Intelligent Process Planning for Smart Factory and Smart Manufacturing, **Mijodrag Milošević**[1], Mića Đurđev[2], **Dejan Lukić**[1], Aco Antić[1] and Nicolae Ungureanu[3] , [1] University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia, [2] University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia, [3] Technical University of Cluj-Napoca, IMTech, Cluj-Napoca, Romania.

19. **Dr. Liviu Jalbă / Cosmin Jalba**, Microelectronica, Bucharest, Romania. (*Nano and micro scale products. ISO 1 Clean Lab.).*
http://www.microel.ro/en/
Cleanliness and contamination control, **Cosmin Jalbă**[1, 2], Elena Florescu[1,2], Alexandru Măgureanu[1, 2], Ioan Ghiţiu [1, 2] , [1] Microelectronica SA, [2] University of Bucharest, Faculty of Physics, Romania.

20. **Prof. Dr. Zbigniew Humienny**, Institute of Machine Design Fundamentals, Warsaw University of Technology, Warsaw, Poland. *Advanced Metrology.*
http://www.simr.pw.edu.pl/ipbm/Instytut-Podstaw-Budowy-Maszyn/Zaklady/Zaklad-Technik-Wytwarzania/Pracownicy/Dr-inz.-Zbigniew-Humienny
New ISO Geometrical Product Specification Standards as a response to Industry 4.0 needs, **Zbigniew Humienny**, Institute of Machine Design Fundamentals, Warsaw University of Technology, Narbutta 84, 02-524 Warszawa, Poland.

21. **Prof. Dr. Bojan Lalić,** Faculty of Technical Science, Novi Sad, Serbia. *Industry 4.0.*
http://www.ftn.uns.ac.rs/n116725494/department-of-industrial-engineering-and-engineering-management
Big data analysis as a digital service: Evidence form manufacturing firms, **Bojan Lalic**, Ugljesa Marjanovic, Slavko Rakic, Marko Pavlovic, Tanja Todorovic and Nenad Medic, University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia.

22. **Carsten Vollrath**, IPG GROUP, Swiss. *Industry 4.0.*
https://swiss-ipg.com/en/connect/offices.html

Success Cases On Smart Factory Solutions And Corresponding Digital Business Models, **Carsten Vollrath**, IPG GROUP, Swiss.

23. **Prof. Dr. Snežana Ćirić-Kostić**, Faculty of Mechanical and Civil Engineering, Kraljevo. *Aditive Manufacturing.*

http://www.mfkv.kg.ac.rs/index.php/docenti/5-osoblje/predavaci/72-dr-snezana-ciric-kostic

Influence of the orientation of steel parts produced by DMLS on the fatigue behavior, Nebojša Bogojević[1], **Snežana Ćirić-Kostić**[1], Aleksandar Vranić[1], Giorgio Olmi[2] and Dario Croccolo[2] , [1] Faculty of Mechanical and Civil Engineering in Kraljevo, University of Kragujevac, Serbia, [2] Department of Industrial Engineering (DIN), University of Bologna, Bologna, Italy.

24. **Dr Maja Trstenjak**, FNA, Zagreb. *Industry 4.0 readiness.*

https://www.fsb.unizg.hr/index.php?fsbonline&o_fakultetu&ustrojstvo&zavodi&djelatnici&user=39d4b545fb02556829aab1db805021c3

Industry 4.0 in Croatia – perspective and industrial familiarity with the (new) digital concept, **Maja Trstenjak**[1], Tihomir Opetuk[1], Danijel Pavković[1], Davor Zorc[1] , [1] Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Ivana Lucica 5, 10 000 Zagreb, Croatia.

25. **Dr. Axel Mueller**, OHB System AG, Deutschland. *Industry 4.0.*

https://www.ohb-system.de/main-company.html

Industry 4.0, big data, internet of things support from space products and affecting space production - A review from quality point of view, **A. Müller**[1,2], C.Jalba[3] , M.Florescu[3] , [1]OHB System AG, Deutschland, [2] MT Aerospace Augsburg, [3] Microelectronica, Bucharest, Rumania.

26. **Prof. Dr. Vesna Mandić**, Faculty of Engineering Sciences, Kragujevac. *Virtual Technologies.*

http://www.mfkg.rs/sr/fakultet/zaposleni/nastavnici/katedra-za-proizvodno-masinstvo/267-vesna-mandic

Model-based Manufacturing System Supported by Virtual Technologies in an Industry 4.0 Context, **Vesna Mandic**[1] , [1] Faculty of Engineering Sciences, University of Kragujevac, Serbia.

27. **Propf. Dr. Grigore Marian Pop**, Department of Design Engineering and Robotics, Faculty of Machine Building, Technical University of Cluj-Napoca, Cluj-Napoca, Romania. *Smart Manufacturing.*

https://cm.utcluj.ro/departamente.html

The Effects of Milling and Drilling Process Parameters and Different Tool Path Strategies on the Quality of the CFRP Composites, **Grigore Marian Pop**, Emilia Campean, Liviu Adrian Crisan and Mihai Tripa, Technical University of Cluj-Napoca, Muncii Blvd., no. 103-105, Cluj-Napoca, Cluj, Romania.

28. Ass. Prof. Dr. Slavenko Stojadinovic, University of Belgrade, Faculty of Mechanical Engineering, Production Engineering Department, Kraljice Marije 16, 11120 Belgrade, Serbia. *Smart Manufacturing Metrology.*

https://www.mas.bg.ac.rs/fakultet/nastavnici/199

An Approach of Development Smart Manufacturing Metrology Model as Support Industry 4.0, **Slavenko Stojadinovic**[1], Vidosav Majstorovic[1], Dragan Djurjanovic[2] and Srdjan Zivkovic[3]
[1]University of Belgrade, Faculty of Mechanical Engineering, Production Engineering Department, Kraljice Marije 16, 11120 Belgrade, Serbia, [2]Department of Mechanical Engineering, University of Texas, Austin, TX, USA, [3]Military Technical Institute, Coordinate Metrology Lab, Belgrade, Serbia.

29. Ivana Atanasovska, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, Serbia. *Smart Design.*
http://www.mi.sanu.ac.rs/~iatanasovska/

New Trends in Machine Design within Industry 4.0 Framework, Radivoje Mitrovic[1], **Ivana Atanasovska**[2],Natasa Soldat[1] and Zarko Miskovic[1], [1] Faculty of Mechanical Engineering, University of Belgrade, Serbia, [2] Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, Serbia.

30. Mihalj Bakator, University of Novi Sad, Technical Faculty "Mihajlo Pupin" Đure Đakovića bb, Zrenjanin, 23000, Republic of Serbia. *Cloud Modelling.*
http://www.tfzr.uns.ac.rs/Kadar/NastavnoOsoblje/3315
A Cloud Computing Model for Achieving Competitiveness of Domestic Enterprises, Dragan Ćoćkalo[1], Dejan Đorđević[1], Srđan Bogetić[1], **Mihalj Bakato**[1], Cariša Bešić[2], Miloš Vorkapić[2], [1] University of Novi Sad, Technical Faculty "Mihajlo Pupin" Đure Đakovića bb, Zrenjanin, 23000, Republic of Serbia, [2] Faculty of technical science in Ĉaĉak, 32000 Ĉaĉak, Svetog Save 65, Republic of Serbia, [3] University of Belgrade, Institute of Chemistry, Technology and Metallurgy - Centre for Microelectronic Technology and Mono-crystals, 11000 Belgrade, Njegoševa 12, Republic of Serbia.