

PROGRAMME OF INTERNATIONAL PRODUCTIVITY WEEK IPWEEK 2021

11th- 15th october 2021. Global online format.

Broadcast and interactive for registered participants on <https://ipweek.eu/ru/>

11TH OCTOBER BENCHMARK CONGRESS PRODUCTION SYSTEMS AND OPERATIONAL EXCELLENCE IN 4TH INDUSTRIAL REVOLUTION

PRODUCTION SYSTEMS AND OPERATIONAL EXCELLENCE TRACK



Simultaneous translation

- 8:00 Grand opening of International Productivity Week IPWeek 2021.
- 8:05 From pilot projects to smart production: the Nornickel experience.
Nikolay Utkin, Senior Vice President, Nornickel Polar Division, Russia.
Alexander Mamontov, Director of the Business Systems Development department, Nornickel Polar Division, Russia.
- 8:25 The ERG code of ethics (topic to be confirmed).
Serik Shachazhanov, President, ERG, Kazakhstan.
Oleg Zakharov, Director of Operational Efficiency Department, ERG, Kazakhstan.
- 8:45 Human Capital. Siemens's strategy and tactics in human capital development for digital manufacturing.
Zhanna Shalygina, Director of «Digital production» department, Siemens, Russia, Germany.
- 9:05 Implementation of innovative projects: the Uralsib Bank experience.
Dmitry Grishin, Innovation Director, Uralsib Bank, Russia.
- 9:30 **Fitness Coffee Break**
- 9:45 BIM - The digital working method for the construction industry.
Parveen Sharma, Executive Director, The BIM Engineers, The Netherlands.
- 10:10 **Workshop from Alfmeier company and moderated discussion about problems and solutions in change management.**
Change management: restructuring and relocation of production while maintaining productivity.
Section 1: A project of production restructuring within Europe.

Section 2: Video workshop from gemba "Gemba Walk of the manager in the context of the production transformation".

Section 3: TPM restructuring, Digital Communication in Obeya

Vaclav Kolar, Production director, Alfmeier, Germany, Czech Republic.

Ota Koukolik, Lean and process development Manager, Alfmeier, Germany, Czech Republic.

Lukas Kocourek, lean specialist, Alfmeier, Germany, Czech Republic.

Oleg Zakharov, Director of Operational Efficiency Department, ERG, Kazakhstan.

Jakub Benes, Manager DIH Brain 4 Industry, Czech Republic.

Moderator: Veronika Denisova, Executive Director, IPWeek 2021, Czech Republic.

11:30 Lunch break

12:30 Round table "Cooperation in innovations: formats, opportunities, management".

Experience exchange in creating cross-corporate cooperation for the implementation of innovations.

Section 1: Mission, purpose and forms of integration projects: Consortium "Digital Innovation Center" Brain 4 Industry", Improvement Projects Accelerator IPWeek 2021.

Section 2: Digital business transformation, digital audit and strategy. Case analysis.

Section 3: Product Design Optimization and Additive Manufacturing - Efficient, fast, gainful.

Ondrej Kurkin, CEO, CARDAM, Czech Republic.

Petr Voplakal, Digital Transformation manager, SIC, Czech Republic.

Jakub Benes, Manager DIH Brain 4 Industry, Czech Republic.

Antonin Miller, Digital Transformation specialist, CARDAM, Czech Republic.

Alexander Mamontov, Program Director of the IPWeek 2021 Improvement Projects Accelerator, Director of the Business Systems Development department, Nornickel Polar Division, Russia.

Alexey Samoshilov, Head of Digital Enterprise Services, Siemens, Russia, Germany.

Olga Ryzhuk, Expert in the development and visualization of concepts, Ural Federal University, Rusko.

Moderator: Veronika Denikova, Executive Director, IPWeek 2021, Czech Republic.

13:30 Use of artificial intelligence in blast furnace heat balance management.

Kirill Makarov, Director of Continuous Improvement, Metinvest Holding, Ukraine.

Andrey Trach, Director of Digital Transformation, Metinvest, Ukraine.

14:00 Fitness Coffee Break

14:15 Scientific and practical experiment as productivity increasing driver.

Video workshop from the Gemba of the TechnoNIKOL Far East company.

Pavel Pashkov, General Director, TechnoNICOL Far East, Russia.

15:00 Ending of the 1st day IPWeek 2021.

**12TH OCTOBER
"TRANSFORMATION"
INTERNATIONAL IMPROVEMENT PROJECTS COMPETITION**

PRODUCTION SYSTEMS AND OPERATIONAL EXCELLENCE TRACK



Simultaneous translation

- 8:00 Opening of the IPWeek 2021 competition programme. Greetings from the partner of the competition program.
Alexey Samoshilov, Head of Digital Enterprise Services, Siemens, Russia, Germany.
- 8:10 **«Transformation» Improvement Projects Competition. Kaizen Project nomination.**
Projects defense in front of jury. For project defense schedule see <https://ipweek.eu/ru/> section "Transformation Competition".

9:30 **Fitness Coffee Break**

9:45 Continuation of Kaizen Project nomination defense.

11:30 **Lunch break**

SCITECH 4.0 SCIENCE AND TECHNOLOGY FOR INDUSTRY 4.0 TRACK

- 12:30 **«Transformation» Improvement Projects Competition. SciTech 4.0 nomination.**
Projects defense in front of jury.
- 14:00 **Fitness Coffee Break**
- 14:15 Continuation of SciTech 4.0 nomination defense.
- 14:45 Jury board conference on the results of project defense in nomination «Kaizen Project» и «SciTech 4.0».
- 15:00 Ending of 2nd day of IPWeek 2021.

**13 ОКТЯБРЯ
SCITECH 4.0 EDUCATIONAL PROGRAM**

SCITECH 4.0 SCIENCE AND TECHNOLOGY FOR INDUSTRY 4.0 TRACK



Simultaneous translation

- 8:00 Opening of Science and technology for Industry 4.0 track.

- 8:02 Digital technologies for production. What is what in Industry 4.0.
Alexey Samoshilov, Head of Digital Enterprise Services, Siemens, Russia, Germany.
- 8:25 How to build a culture of work with innovations in a company in one year?
Ilya Borodin, Chief Transformation Officer, Yoola, Russia, USA.
- 9:00 Artificial intelligence and work of future.
Roman Sorokan, Deputy Director, Google Cloud & Workspace, UK, USA.
- 9:30 **Fitness Coffee Break**
- 9:45 **Round table "Cyberphysical Production Systems. Challenges and solutions".**
Partner event by the BWA, Germany.
Moderator: Prof. Dr. Bertram Lohmüller, General Director, Export-Akademie Baden-Württemberg, Germany.
Section 1: Challenges Industry 4.0 & cyber physical systems.
Thomas Trunzer, Managing Director, Quimron, Germany.
Manfred Zöllner, Managing Director, Quimron, Germany.
Oscar Garcia, Senior Project Manager Lean Management and Industry 4.0, Bosch Industry Consulting, Germany.
Section 2: Cyber Security.
Nikos Bogonikolos, President, Aratos, Netherlands, Greece, Germany.
Prof. Dr. Roman Povalej, Police Academy of Lower Saxony, Germany.
Thomas Wu, Managing Director, DNGL, Germany.
Eduard Meister, Managing Director DNGL, Germany.
Section 3: Integration and Operations of Cyber Physical Systems.
Dr. Oliver Niese, Vice President Digital Business, Festo SE & Co. KG, Germany.
Alexander Mühlens, Head of business unit - low cost automation IGUS, Germany.
- Alexander Mamontov, Director of the Business Systems Development department, Nornickel Polar Division, Russia.*
Andrey Trach, Director of the Business Process Transformation Department, Metinvest Holding, Ukraine.
Jurij Proskurnja, Prosci Certified Advanced Instructor, Change management expert, Russia.
Oleg Zakharov, Director of Operational Efficiency Department, ERG, Kazakhstan.
- 11:30 **Lunch break**
- 12:30 Employees' digital footprint analysis system (Process Mining) - the heart that drives digital transformation.
Ivan Isaev, Director of Machine Learning Department, IPONWEB, Russia, UK.
- 13:00 How to avoid failures in digitalization projects? Error analysis and useful recommendations based on practical examples.
Artem Egorov, Director, Applied Analytics Expert, JSC "CST", Russia.

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This time is 1 hour behind Moscow time**

13:20 The importance of the Shingo model guiding principles for the correct use of technology.
Ken Snyder, Executive Director, Shingo Institute, Utah State University, USA.

14:00 **Fitness Coffee Break**

HUMAN CAPITAL IN INDUSTRY 4.0 TRACK

14:15 Sociocracy 3.0 - social technology for organizational flexibility.
James Priest, co-developer, Sociocracy 3.0, Great Britain.

15:00 Ending of 3rd day of IPWeek 2021.

14TH OCTOBER TEAM CHAMPIONSHIP «OPERATIONAL EXCELLENCE»

"OPERATIONAL EXCELLENCE" CHAMPIONSHIP



Simultaneous translation

8:00 "Operational Excellence" Championship opening.

8:10 Presentation of teams, experts, regulations of the Championship.
1st stage of the Championship. Team completion of the 1st stage tasks.

Speakers' presentation during the teams work on tasks solution.

8:30 Digital Twins in process management optimization.
Nikolay Kriulko, Siemens, Russia, Germany.

9:30 **Fitness Coffee Break**

9:45 Summarization of the results of the 1st stage of «Operational Excellence» Championship.

9:50 «Operational Excellence» Championship 2nd stage tasks presentation.

9:55 2nd stage of the Championship. Team completion of the 2nd stage tasks.

Speakers' presentation during the teams work on tasks solution.

9:55 Industrial IoT in petrochemistry.
Vasily Ezhov, IIoT product owner, Sibur Digital, Russia.

10:35 Summarization of the results of the 2nd stage. 3rd stage tasks presentation.

10:45 Team completion of the 3rd stage tasks.

Speakers' presentation during the teams work on tasks solution.

- 10:45 How to overcome fear and change resistance when deploying digital projects in companies?
Petr Manin, technical Director, Digital Modelling Center, Rusatom Energo International, Russia.
- 11:30 **Lunch break**
- 12:30 Teams' presentation of the 3rd stage results. Discussion with experts.
- 13:20 Championship "Operational Excellence" experts' conference.
Championship winners will be announced on 15th October at IPWeek 2021 closing ceremony.
- 14:00 Ending of 4th day of IPWeek 2021.

**15TH OCTOBER
CONSOLIDATED PROGRAMME "HUMAN CAPITAL
IN INDUSTRY 4.0 "**

HUMAN CAPITAL IN INDUSTRY 4.0 TRACK



Simultaneous translation

- 8:00 IPWeek 2021 competition programme. Opening of the Human Capital nomination. Greetings from the partner of the competition program. Jury board introduction.
Alexey Samoshilov, Head of Digital Enterprise Services, Siemens, Russia, Germany.
- 8:15 **«Transformation» Improvement Projects Competition. Human Capital nomination.**
Projects defense in front of jury.
- 9:30 **Fitness Coffee Break**
- 9:45 Continuation of Human Capital nomination defense.
- 10:15 **International conference of production foremen and managers "Foreman in the era of Industry 4.0"**
- 10:20 Three components of success for a player-coach. Video from gemba Yellotools
Michael Althoff, CEO Yellotools, Germany
- 11:00 How a corporate messenger helps to create a proactive corporate culture in ERG.
Fatima Kosaeva, Director of the Corporate Communications Department, ERG, Kazakhstan.

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- 11:10 International Team Leaders School participants' presentations.
- 11:30 **Lunch break**
- 12:30 Awarding and closing ceremony IPWeek 2021.
- 12:40 EdTech cross-corporation synergy: lessons from the pandemic and new opportunities.
Veronika Denisova, Executive Director, IPWeek 2021, Czech Republic.
- 12:50 IPWeek 2021 speakers and mentors Awards ceremony.
- 13:00 Corporate participation in the IPWeek 2021 is the formation of a new employee-innovator type.
Alexander Mamontov, Director of the Business Systems Development department, Nornickel Polar Division, Russia.
- 13:05 Awards ceremony of participants of International Team Leaders School and Conference.
Oleg Zakharov, Director of Operational Efficiency Department, ERG, Kazakhstan
- 13:15 "Transformation" Improvement Projects Competition results announcement and Awards ceremony.
- 13:25 "Operational Excellence" Championship winners announcement.
Awards ceremony
- 14:00 International Productivity Week IPWeek 2021 Closing ceremony.