Schedule of the 2020 Global Smart Industry Conference, Chelyabinsk, Russia, 17–19 November 2020

17 November 2020				
8:30-9:00*	**REGISTRATION OF THE CONFERENCE PARTICIPANTS** (“Sigma”, hall of the 2nd floor)			
PLENARY SESSION (“Sigma”, conference hall). Chair: Radchenko G.I.				
9:00-9:15	**OPENING CEREMONY**			
9:15-10:00	**New horizons of digital transformation** **Michael Train,** President, Emerson Electric, USA			
10:00-10:45	**Real digitalization in practice** **Peter Zornio**, Chief Technology Officer, Emerson Automation Solutions, USA			
10:45-11:30	**Digital Twin and its industry applications** **Fei Tao**, Beihang University, China			
11:30-12:15	**Research of South Ural State University in Digital Industry** **Aleksandr L. Shestakov**, Dr.Sc. (Techn.), Full Professor, Rector of South Ural State University (national research university), Russia			
12:15-13:30	**LUNCH BREAK**			
13:30-14:00	**REGISTRATION OF THE CONFERENCE PARTICIPANTS** (“Sigma”, hall of the 2nd floor)			
PLENARY SESSION (“Sigma”, conference hall). Chair: Zymbler M.L.				
14:00-14:45	**The learning steel plant: merging domain knowhow with artificial intelligence and performance-based business models** **Volker Bleischwitz**, Head of Sales & Project Management, SMS digital GmbH, Germany			
14:45-15:30	**Measurement for the Digital Industries: Challenges and Opportunities** **Manus Patrick Henry**, Ph.D., University of Oxford, United Kingdom			
15:30-16:15	**Prediction of sports performance using biomechanics** **Guillaume Laffaye**, PhD, Université Paris-Sud, Université Paris-Saclay, Orsay Cedex, France			
16:15-17:00	**Cryptology in pre- and post-quantum times** **Franck Leprevost**, University of Luxembourg, Luxembourg			
18 November 2020				
8:30-9:00	**REGISTRATION OF THE CONFERENCE PARTICIPANTS** (“Sigma”, hall of the 2nd floor)			
PLENARY SESSION (“Sigma”, conference hall). Chair: Samodurova M.N.				
9:00-9:45	**The 4. Industrial Revolution – Digital Solutions and Use Cases for the Metals Industry** **Pino Tese,** Dr.Sc., Professor, President and General Director of SMS group Inc., Germany			
9:45-10:30	**Digital technologies as a way to transform the scientific competencies of universities into an understandable technology for solving everyday problems of industrial enterprises. Considering the service interaction model** **Danila Tselikanov**, Magnitogorsk Iron and Steel Works, Magnitogorsk, Russia			
10:30-11:15	**Predictive maintenance for small and medium enterprises in Industry 4.0** **Vrinda Rastogi**, **Sahima Srivastava**, Indira Gandhi Delhi Technical University for Women, Delhi, India			
11:15-12:00	**A MEMS density-viscosity sensor based on electrostatically actuation of a comb-drive structure** **Ghader Rezazadeh**, South Ural State University (national research university), Russia			
12:00-13:30	**LUNCH BREAK**			
13:30-14:00	**REGISTRATION OF THE CONFERENCE PARTICIPANTS** (“Sigma”, hall of the 2nd floor)			
PLENARY SESSION (“Sigma”, conference hall). Chair: Shiryaev V.I.				
14:00-14:45	**Digital Industry based on Digital Twins** **Andrei I. Rudskoy**, Dr.Sc. (Techn.), Full Professor, Academician of the Russian Academy of Sciences, Rector of Peter the Great St.-Petersburg Polytechnic University, Russia			
14:45-15:30	**Technical diagnostics and self-checking: development trends** **Roald E. Taymanov**, Dr.Sc., Professor, **Ksenia V. Sapozhnikova**, Dr.Sc., Mendeleev All-Russian Institute for Metrology, Russia			
BREAKOUT SESSIONS (Zoom)				
16:30-18:30	SECTION A Chair: Ivanov S.A. **Virtual and augmented realities for Industry 4.0**	SECTION B Chair: Sokolov A.N. **Cybersecurity in digital industry**	SECTION C Chair: Suhov M.V. **Sensors and their components**	SECTION D Chair: Yaparova N.M. **Cloud and high-performance computing for smart factory**
19 November 2020				
BREAKOUT SESSIONS (Zoom)				
10:00-12:00	SECTION A Chair: Sidorov A.I. **Condition monitoring and control for intelligent manufacturing**	SECTION B Chair: Plotnikova N.V. **Big data, machine learning and artificial intelligence for Industry 4.0 management**	SECTION C Chair: Spicyn V.V. **Sensors and their components**	
12:00-14:00	**LUNCH BREAK**			
14:00-16:00	SECTION A Chair: Taranenko P.A. **Condition monitoring and control for intelligent manufacturing**	SECTION B Chair: Zyulyarkina N.D. **Big data, machine learning and artificial intelligence for Industry 4.0 management**	SECTION C Chair: Prokudina L.A. **Digital Twin technologies**	
16:00-17:20	SECTION A Chair: Taranenko P.A. **Condition monitoring and control for intelligent manufacturing**	SECTION B Chair: Ivanova O.N. **Cybersecurity in digital industry**	SECTION C Chair: Suhovilov B.M. **Industrial robotics**	

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*Chelyabinsk time (GMT+5)