

**BEYOND4.0**  
**SCIENTIFIC CONFERENCE:**  
INCLUSIVE FUTURES FOR EUROPE  
BEYOND INDUSTRIE4.0  
AND DIGITAL DISRUPTION

SEPTEMBER 30 – OCTOBER 1, 2021  
SOFIA, BULGARIA

**PROGRAMME**

● **BEYOND 40**



**EUWIN**



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SEPTEMBER 30 – OCTOBER 1, 2021  
SOFIA, BULGARIA

**SCIENTIFIC COMMITTEE**

**Prof. Chris Warhurst**, University of Warwick

**Dr. Egoitz Pomares**, University of the Basque Country

**Prof. Frank Pot**, Radboud University

**Prof. Jürgen Howaldt**, TU Dortmund

**Prof. Monique Ramioul**, HIVA- KU Leuven

**Prof. Nathalie Greenan**, CEET-LeCnam,

**Prof. Pepka Boyadjieva**, Institute of Philosophy and Sociology, Bulgarian Academy of Sciences

**Dr. Peter Oeij**, TNO

**Prof. Steven Dhondt**, TNO


**Prof. Vassil Kirov**, Institute of Philosophy and Sociology, Bulgarian Academy of Sciences

**ORGANISATIONAL COMMITTEE**


IPS-BAS:

**Vassil Kirov, Bagryan Malamin, Ekaterina Markova, Gabriela Yordanova, Diana Nenkova**

## September 30

Local Time (EET)	Main Hall	Secondary Hall
<b>9:00 - 9:30</b>	<b>Registration</b>	 <p><b>East European Time (EET)</b></p>
<b>9:30 - 10:00</b>	<b>Opening / Welcome speech</b>	
	Academician Julian Revalski, Chairman of BAS	
	Prof. D.Sc. Vesselin Petrov, Director of IPS - BAS	
	Prof. Steven Dhondt, BEYOND4.0 Project coordinator	
	Bulgarian Deputy Minister of Education and Science, TBC	
<b>10:00 - 11:30</b>	<b>Plenary Session I, Moderator: Steven Dhondt</b>	
	Prof. Marianna Mazzucato	
	Prof. Chris Warhurst	
	Discussion	
11:30 - 11:45	Coffee break	
<b>11:45 - 13:15</b>	<b>Parallel session A1</b>	<b>Parallel session B</b>
	Digital transformation and societal disruption after the Covid-19 crisis - Quo Vadis - facts and figures.	The next technological wave? The technology waves reassessed from a historical perspective - today's lessons from the past.
13:15 - 14:15	Lunch break	
<b>14:15 - 16:15</b>	<b>Parallel session C1</b>	<b>Parallel session D1</b>
	Work, organisation and management: workplace innovation to support digital transformation.	Change of technology and the need for on-going change for the demand of skills.
16:15- 16:30	Coffee break	
<b>16:30 - 18:00</b>	<b>Parallel session C2</b>	<b>Parallel session D2</b>
	Work, organisation and management: workplace innovation to support digital transformation.	Change of technology and the need for on-going change for the demand of skills.
<b>18:00 - 19:30</b>	<b>Plenary Session II, Moderator: Peter Oeij</b>	
	Prof. Paul Osterman	
	Prof. Olli Kangas	
	Discussion	

## October 1

Local Time (EET)	Main Hall	Secondary Hall
<b>8:30 - 10:30</b>	<b>Plenary Session III, Moderator: Nathalie Greenan</b>	 <p><b>East European Time (EET)</b></p>
	Prof. Steven Dhondt	
	Prof. Jurgen Howaldt	
	Dr. Glenda Quintini	
	Discussion	
10:30 - 10:45	Coffee break	
<b>10:45 - 12:45</b>	<b>Parallel session A2</b>	<b>Parallel session G</b>
	Digital transformation and societal disruption after the Covid-19 crisis - Quo Vadis - facts and figures.	Ecosystems and Industrie 4.0
12:45 - 13:45	Lunch break	
<b>13:45 - 15:45</b>	<b>Parallel session C3</b>	<b>Parallel session E</b>
	Work, organisation and management: workplace innovation to support digital transformation.	Platform Economy
15:45 - 16:00	Coffee break	
<b>16:00 - 18:00</b>	<b>Parallel session F</b>	<b>Stakeholders round table</b>
	Working conditions in the context of digital transformation.	Industry 5.0 the view of policy makers and social partners.
<b>18:00 - 18:30</b>	<b>Concluding remarks</b>	
	Prof. Steven Dhondt, TNO & Dr. Vassil Kirov, IPS-BAS	

## Keynote Speakers

<b>Prof. Chris Warhurst</b> , University of Warwick	For better or worse? The impact of digitalisation on future social relations at work.
<b>Dr. Glenda Quintini</b> , OECD	Getting skills right: changing skill needs for the recovery and beyond.
<b>Prof. Jürgen Howaldt</b> , TU Dortmund	Why digital transformation needs social innovation: a new twin strategy for sustainable development and inclusive futures.
<b>Prof. Mariana Mazzucato</b> , UCL	The Direction of Innovation: A Mission-Oriented Approach
<b>Prof. Olli Kangas</b> , University of Turku	How (and why) to plan a large-scale randomised field experiment?
<b>Prof. Paul Osterman</b> , MIT, TBC	The Changing Contours of Work: Implications for Employees and for Public Policy
<b>Prof. Steven Dhondt</b> , TNO and KU Leuven	Why Industrie 4.0 technology requires so much talent. Drilling deep into the entrepreneurial ecosystem results of Beyond4.0.

## Parallel sessions

### SESSION A.

Digital transformation and societal disruption after the Covid-19 crisis – Quo Vadis – facts and figures.

Session A1		Moderator: <b>Dr. Ekaterina Markova</b>
<b>Andrei Popov</b> , Vologda Research Centre of the Russian Academy of Sciences	The Present and the Future of the Employment Paradigm in the Face of Global Changes	
<b>Atanas Hristov</b> , DG ECFIN <b>Bjoern Doehring</b> , DG ECFIN <b>Werner Roeger</b> , DG ECFIN <b>Anna Thum-Thysen</b> , DG ECFIN	COVID-19 acceleration in digitalization, aggregate productivity growth and the functional income distribution	
<b>Branka Andjelkovic</b> , Public Policy Research Centre <b>Tanja Jakobi</b> , Public Policy Research Centre	Naked At Home	
<b>Patrick Thill</b> , Luxembourg Institute of Socio-Economic Research (LISER) <b>Dr. Vassil Kirov</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences <b>Andreas Kornelakis</b> , King's College London	The Digitalisation of Service Work: A Comparative Study of Restructuring of the Banking Sector in the United Kingdom and Luxembourg	
<b>Silvia Napolitano</b> , CNAM CEET <b>Nathalie Greenan</b> , CNAM CEET <b>Imad El-Hamna</b> , CNAM CEET	Using a linked dataset at the EU wide level to describe technological and organisational changes and their relationship with innovation	
Session A2		Moderator: <b>Prof. Mark Levels</b>
<b>Dr. Egle Butkeviciene</b> , Kaunas University of Technology <b>Dr. Audrone Nakrosiene</b> , ISM University of Management and Economics	Workplace innovation fostered by the Covid-19 crisis: the benefits and challenges of telework	
<b>Ester Ulloa Unanue</b> , University of Cadiz <b>Marcela Iglesias Onofrio</b> , University of Cadiz <b>Sofía Pérez de Guzmán Padrón</b> , University of Cadiz <b>Lucía del Moral Espín</b> , University of Cadiz	Raising Awareness for Riders' Rights	
<b>Dr. Ludivine Martin</b> , Luxembourg Institute of Socio-Economic Research (LISER) <b>Laetitia Hauret</b> , Luxembourg Institute of Socio-Economic Research (LISER) <b>Nicolas Poussing</b> , Luxembourg Institute of Socio-Economic Research (LISER)	How do digital tools use profiles of teleworkers influence their digital up-skilling during the spring 2020 lockdown?	
<b>Dr. Petya Klimentova</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	Digital transformation and new forms of civic activity in the field of labour (the example of online labour consultations)	
<b>Yennef Vereycken</b> , KU Leuven <b>Dries Van Herreweghe</b> , KU Leuven	Social dialogue on technological innovation in Flanders: Results of a Delphi-study	

**SESSION B.**

The next technological wave?

The technology waves reassessed from a historical perspective - today's lessons from the past

<b>Chiara Natalie Focacci</b> <b>Dr. Vassil Kirov</b> , Institute of Philosophy and Sociology Bulgarian Academy of Sciences	Regional Entrepreneurial Ecosystems: Technological Transformation, Digitalisation and the Longer Term. The Automotive and ICT Sectors in the UK and Bulgaria.
<b>Dr. Joanna Morawska-Jancelewicz</b> , Adam Mickiewicz University, Poznań <b>Prof. Elias G. Carayannis</b> , George Washington University School of Business	Society 5.0 and Industry 5.0 as driving forces of future universities
<b>Marta Candeias</b> , Universidade Nova de Lisboa <b>António Brandão Moniz</b> , Universidade Nova de Lisboa <b>Nuno Boavida</b> , Universidade Nova de Lisboa	Digital transformation in the automotive sector in Portugal: data analysis on industrial R&D projects
<b>Dr. Rumiana Jeleva</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	IT sustainability reporting, company performance and their value relevance

**SESSION C.** Work, organisation and management: workplace innovation to support digital transformation

Session C1		Moderators: Dr. Peter Oeij, Prof. Frank Pot
<b>Prof. Frank Pot</b> , Radboud University <b>Dr. Peter Oeij</b> , TNO	Introduction to the workshop	
<b>Prof. Ferry Koster</b> , Erasmus University	Organizations in the knowledge economy. An investigation of knowledge-intensive work practices across 28 European countries	
<b>Dr. Ali Iftikhar Choudhary</b> , COMSATS University Islamabad, Lahore Campus <b>Prof. Adela McMurray</b> , Flinders University, Australia	The Relationship between Digital Transformation and Workplace Innovation in a Developing Country	
<b>Aline Lohse</b> , TU Chemnitz <b>Dr. Ing. André Dettmann</b> , TU Chemnitz <b>Prof. Dr. A. C. Bullinger</b> , TU Chemnitz	Workplace Innovation in times of digitalization and pandemic	
<b>Dr. Giverny De Boeck</b> , Curtin University <b>Prof. Sharon Parker</b> , Curtin University	When beliefs about technology clash: The role of institutional logics in workers' experience of automation and work redesign	
Session C2		Moderators: Dr. Peter Oeij, Prof. Frank Pot
<b>Ine Smits</b> , HIVA - KU Leuven <b>Prof. Ezra Dessers</b> , HIVA - KU Leuven	Sustainable employment in the age of digitalisation: unpacking the organisational level	
<b>Dr. Magdalena Parcheva</b> , Technical University of Varna, Research Institute	Innovative potential of digital technologies and systems with artificial intelligence for transformation of work processes in specialised translation agencies	
<b>Prof. Paul Osterman</b> , MIT Sloan	Sharing his ideas about the "High Road" perspective in the light of workplace innovation	
Session C3		Moderators: Dr. Peter Oeij, Prof. Frank Pot
<b>Dr. Paul Preenen</b> , TNO <b>Ziagul Hosseini MSc</b> , Human Performance Management Group, Department of Industrial Engineering & Innovation Sciences, Eindhoven University of Technology	An ethical framework for evaluating experimental technologies in logistics workplace settings	
<b>Dr. Se Ri No</b> , Korea Labor Institute <b>Dr. Kyoung Won Park</b> , Hanyang University <b>Prof. Young Jin Nho</b> , Seoul National University of Science and Technology	Smart Technology and Workplace Innovation: Focused on Smart Factory in Korean Manufacturing firms	
<b>Prof. Tuomo Alasoini</b> , Finnish Institute of Occupational Health <b>Arja Ala-Laurinaho</b> , Finnish Institute of Occupational Health <b>Marja Känsälä</b> , Finnish Institute of Occupational Health	Driving high and low: Finnish logistics workers in digital transformation	
<b>Michiel Bal</b> , CeSO, KU Leuven	Explaining the use of a digital technology in context.	
<b>Zsófia Riczu</b> , University of Miskolc, Agricultural and Labour Law Department	Workplace innovation with digital technical support	

## SESSION D. Change of technology and the need for on-going change for the demand of skills.

Session D1		Moderator: Dr. Egoitz Pomares
<b>Dr. Christina Ambareva</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	Which competencies are important to teach in the light of the digital transformation of knowledge?	
<b>Elżbieta Prucnal-Tumasz</b> , University of Wrocław	What professional competences do employers expect from an 'ideal' candidate for the position of SAP consultant? The case of the professional job market in Poland	
<b>Prof. Ezra Dessers</b> , HIVA - KU Leuven <b>Lise Meylemans</b> , HIVA - KU Leuven <b>Lise Szekér</b> , HIVA - KU Leuven	Empowering workers with the skills they need for tomorrow: Evaluation of the FutureFit training program in Belgium	
<b>Fanni Tamasi</b> , University of Stirling	Technology adoption and skills development in Scottish manufacturing SMEs	
<b>Frederic Naedenoen</b> , University of Liège <b>Marine Franssen</b> , Lentic - HEC ULiège - Université de Liège	When digital transformations causes restructuring: the role of a qualitative social dialogue	
<b>Dr. Mariana Todorova</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	The Digitalization of Education, the Role of Digital Technologies and Artificial Intelligence in Building of New Soft and Hard Skills	
Session D2		Moderator: Dr. Gabor Melipataki
<b>Prof. Mark Levels</b> , Maastricht University <b>Per Bles</b> , Maastricht University <b>Giampiero Passaretta</b> , European University Institute <b>Reinhard Pollock</b> , Bamberg <b>Nora Muller</b> , GESIS Leibniz Institute for Social Sciences	Schools, Educations Systems and the Acquisition of Skills Relevant to the Future of Work.	
<b>Dr. Nevena Ivanova</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	Cognition and Education After Automatization	
<b>Prof. Valentina Milenkova</b> , South-West University "Neofit Rilski"	Challenges to Digital Education in Contemporary Society	
<b>Dr. Michael Kohlgrüber</b> , TU Dortmund University, Social Research Centre <b>Clara Behrend</b> , TU Dortmund University, Social Research Centre	Understanding Future Skills for the Digital Transformation	
<b>Svetlomir Zdravkov</b> , Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	Online education and digital inclusion. How different EU countries and their citizens are adapting to the technological change in education?	

## SESSION E. Platform economy

Moderator: Dr. Magdalena Parcheva

<b>Prof. Andrey Shevchuk</b> , National Research University - Higher School of Economics (HSE University)	Digital platforms and the changing freelance workforce in Russia: A ten-year perspective
<b>Prof. Cecilia Manzo</b> , Università Cattolica del Sacro Cuore <b>Prof. Ivana Pais</b> , Università Cattolica del Sacro Cuore	Digital platforms in welfare systems: towards a typology
<b>Denis Strebkov</b> , National Research University - Higher School of Economics (HSE University)	The Geography of the Digital Freelance Economy in Russia and Beyond
<b>Mathilde Abel</b> , Sorbonne Nouvelle University <b>Prof. Patrick Dieuaide</b> , Sorbonne Nouvelle University	Workplace, socio-spatial effects and algorithmic management. A perspective from the mobility service platforms
<b>Tina Krell</b> , Alexander von Humboldt Institute for Internet and Society <b>Dr. Nicolas Friederici</b> , Alexander von Humboldt Institute for Internet and Society	"One strategy does not fit all" - The role of foundational positioning in platform competition

## SESSION F. Working conditions in the context of digital transformation

Moderator: **Clara Behrend**

<b>Dr. Gábor Mélypataki</b> , University of Miskolc	How can the human and the collaborative robots work together? – Legal and theoretical aspects
<b>Dr. Laetitia Hauret</b> , Luxembourg Institute of Socio-Economic Research (LISER) <b>Chantal Cucchi Fuhrer</b> , Université de la Réunion <b>Ludivine Martin</b> , Center for Research in Economics and Management (CREM, UMR CNRS 6211)	Digitally Transformed Work from Home Impacts on Job Satisfaction, Job Stress and Job Productivity. COVID-19 Findings
<b>Dr. Luuk Collou</b> , Saxion university of applied sciences <b>Mr Milan Wolffgramm</b> , Saxion University of Applied Sciences <b>Koen Nijland</b> , junior researcher, Saxion University of Applied Sciences	The Challenge of Joint Optimization human centered technology implementation in SMEs
<b>Dr. Olga Chesalina</b> , Max Planck Institute for Social Law and Social Policy	From the right to disconnect to mental health and wellbeing at work in the digital age
<b>Patrick Till</b> , Luxembourg Institute of Socio-Economic Research (LISER) <b>Dr. Gabriele Wolff</b> , University of Applied Sciences Koblenz	Assessing the psychological and social impact by applying human-centered approaches to implementing digital technologies in companies: a comparative study of the industry sector Germany and Luxembourg

## SESSION G. Ecosystems and digital transformation

Moderator: **Prof. Ezra Dessers**

<b>Entrepreneurial ecosystems: metrics, configurations and outcomes</b>	Sectoral Skills Alliances and Strategies: Industry 4.0 needs Work 4.0
<b>Dr. Paul Preenen</b> , TNO <b>Dr. Kars Mennens</b> , Maastricht University	A Conceptualization of Public-Private Learning Communities for technological transformations and beyond
<b>Bieke Struyf</b> , Antwerp Management School <b>Gabriel Möwis</b> , Frankfurt University of Applied Sciences <b>Dirk Stegelmeyer</b> , Frankfurt University of Applied Sciences <b>Bieke Struyf</b> , Paul Matthyssens Antwerp Management School	Leveraging ecosystem partnerships for Industry 4.0-enabled value creation: A Delphi-study
<b>Mirella Schrijvers</b> , University of Utrecht	Entrepreneurial ecosystems: metrics, configurations and outcomes
<b>Prof. Hans Christian Garmann Johnsen</b> , University of Agder <b>Clare Hildebrand</b> , University of Agder	Beyond the Human-Machine Dichotomy: Dialogical development in the age of digital transformation.

## STAKEHOLDERS ROUNDTABLE

Moderator: **Vassil Kirov**

**Arch. Lubomir Stanislavov**, CEO & Board member, Bulgarian Employers Association Innovative Technologies (BRAIT)  
**Dr. Bartek Bednarowicz**, Labour Mobility Officer, Coordinator for Labour Mobility Analyses & Risk Assessment, Enforcement & Analysis Unit, European Labour Authority (ELA)  
**Prof. Silvia Ilieva**, Director of GATE Institute, Sofia University “Sv. Kliment Ohridski”  
**Veselin Mitov**, International SecretaryConfederation of Labour PODKREPA

**The duration of each presentation is expected to be 15 minutes.**

**Keynote speaker presentations are expected to be 30 minutes**

The conference will be held in a hybrid format – online and physical attendance in Sofia.

It will be held in two halls and streamed via Zoom.

Participation link will be sent to all attendees in September.

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