

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

SEPTEMBER 30 – OCTOBER 1, 2021
SOFIA, BULGARIA

PRELIMINARY
PROGRAMME

● **BEYOND 40**



EUWIN

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PRELIMINARY PROGRAMME

July 2021

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

	Main Hall	Secondary Hall
9:00 - 9:30	Registration	
9:30 - 10:00	Opening / Welcome speech	
	Academician Julian Revalski, Chairman of BAS	
	Prof. Steven Dhondt, BEYOND4.0 Project coordinator	
	Prof. D.Sc. Vesselin Petrov, Director of IPS - BAS	
	Bulgarian Deputy Minister of Education and Science, TBD	
10:00 - 11:30	Plenary Session I	
	Mariya Gabriel, Innovation, Research, Culture, Education and Youth Commissioner	
	Prof. Marianna Mazzucato	
	Prof. Chris Warhurst	
	Discussion	
11:30 - 11:45	Coffee break	
11:45 - 13:15	Parallel session A1	Parallel session 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	
14:15 - 16:15	Parallel session C1	Parallel session D1
	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	
16:30 - 18:00	Parallel session C2	Parallel session D2
	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.
18:00 -	Plenary Session II	
	Prof. Paul Osterman	
	Prof. Olli Kangas	
	Discussion	

October 1

	Main Hall	Secondary Hall
8:30 - 10:30	Plenary Session III	
	Prof. Steven Dhondt	
	Prof. Jurgen Howaldt	
	Dr. Glenda Quintini	
	Discussion	
10:30 - 10:45	Coffee break	
10:45 - 12:15	Parallel session A2	Parallel session E1
	Digital transformation and societal disruption after the Covid-19 crisis - Quo Vadis - facts and figures.	Platform Economy
12:15 - 13:15	Lunch break	
13:15 - 15:15	Parallel session C3	Parallel session E2
	Work, organisation and management: workplace innovation to support digital transformation.	Platform Economy
15:15 - 15:30	Coffee break	
15:30 - 17:30	Parallel session F	Stakeholders round table
	Working conditions in the context of digital transformation.	Industry 5.0 the view of policy makers and social partners.

Keynote Speakers

Mariya Gabriel, Innovation, Research, Culture, Education and Youth Commissioner (2019-2024)	TBD
Prof. Chris Warhurst, University of Warwick	For better or worse? The impact of digitalisation on future social relations at work.
Dr. Glenda Quintini, OECD	Getting skills right: changing skill needs for the recovery and beyond.
Prof. Jürgen Howaldt, TU Dortmund	Why digital transformation needs social innovation: a new twin strategy for sustainable development and inclusive futures.
Prof. Mariana Mazzucato, UCL	The Direction of Innovation: A Mission-Oriented Approach
Prof. Olli Kangas, University of Turku	How (and why) to plan a large-scale randomised field experiment?
Prof. Paul Osterman, MIT, TBC	The Changing Contours of Work: Implications for Employees and for Public Policy
Prof. Steven Dhondt, TNO	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	
Andrei Popov, Vologda Research Centre of the Russian Academy of Sciences	The Present and the Future of the Employment Paradigm in the Face of Global Changes
Atanas Hristov, DG ECFIN	COVID-19 acceleration in digitalization, aggregate productivity growth and the functional income distribution
Branka Andjelkovic, Public Policy Research Centre	Naked At Home
Dr. Egle Butkeviciene, Kaunas University of Technology	Workplace innovation fostered by the Covid – 19 crisis: the benefits and challenges of telework
Dr. Ludivine Martin, 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?
Session A2	
Dr. Marcela Iglesias Onofrio, University of Cádiz	Telework, daily life and gender inequalities. The experience of the COVID-19 lockdown as a laboratory / Raising Awareness for Riders´Rights
Patrick Thill, Luxembourg Institute of Socio-Economic Research (LISER) Dr. Vassil Kirov, Institute of Philosophy and Sociology, Bulgarian Academy of Sciences Andreas Kornelakis, King's College London	The Digitalisation of Service Work: A Comparative Study of Restructuring of the Banking Sector in the United Kingdom and Luxembourg
Dr. Petya Klimentova, 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)
Dr. Sofía Pérez de Guzmán, University of Cádiz	Telework, daily life and gender inequalities. The experience of the Covid-19 lockdown as a laboratory/ Raising awareness for riders' rights
Yennef Vereycken, 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

Chiara Natalie Focacci Dr. Vassil Kirov , 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.
Prof. Elias G. Carayannis , George Washington University School of Business Dr. Joanna Morawska-Jancelewicz , Adam Mickiewicz University, Poznań	Society 5.0 and Industry 5.0 as driving forces of future universities
Prof. Mark Levels , Maastricht University	The Relation between Technological Innovations and Human Employability: A Systematic Review of Theoretical Expectations and Empirical Evidence on the Consequences of the Fourth Industrial Revolution
Marta Candeias , FCTUNL	Digital transformation in the automotive sector in Portugal: data analysis on industrial R&D projects
Dr. Nuno Boavida , NOVA University of Lisboa - CICS.NOVA	Recent automation trends in Portugal: implications on industrial productivity and employment in automotive sector
Dr. Rumiana Jeleva , 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	
Prof Frank Pot , Radboud University Dr. Peter Oeij , TNO	Introduction to the workshop
Prof. Ferry Koster , Erasmus University	Organizations in the knowledge economy. An investigation of knowledge-intensive work practices across 28 European countries
Dr. Ali Iftikhar Choudhary , COMSATS University Islamabad, Lahore Campus Prof. Adela McMurray , Flinders University, Australia	The Relationship between Digital Transformation and Workplace Innovation in a Developing Country
Aline Lohse , TU Chemnitz	Workplace Innovation in times of digitalization and pandemic
Dr. Giverny De Boeck , Curtin University Prof. Sharon Parker , Curtin University	When beliefs about technology clash: The role of institutional logics in workers' experience of automation and work redesign
Session C2	
Ine Smits , HIVA - KU Leuven Prof. Ezra Dessers , HIVA - KU Leuven	Sustainable employment in the age of digitalisation: unpacking the organisational level
Dr. Jan Drahokoupil , European Trade Union Institute	The challenge of digital transformation in the automotive industry: Evidence from European peripheries
Dr. Magdalena Parcheva , 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
Prof Paul Osterman , MIT Sloan	Session keynote presentation TBD
Session C3	
Dr. Paul Preenen , TNO Ziagul Hosseini MSc , 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
Dr. Se Ri No , Korea Labor Institute Dr. Kyoung Won Park , Hanyang University Prof. Young Jin Nho , Seoul National University of Science and Technology	Smart Technology and Workplace Innovation: Focused on Smart Factory in Korean Manufacturing firms
Prof. Tuomo Alasoini , Finnish Institute of Occupational Health Arja Ala-Laurinaho , Finnish Institute of Occupational Health Marja Känsälä , Finnish Institute of Occupational Health	Driving high and low: Finnish logistics workers in digital transformation
Michiel Bal , CeSO, KU Leuven	Explaining the use of a digital technology in context.
Zsófia Riczu , 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	
Dr. Christina Ambareva, Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	Which competencies are important to teach in the light of the digital transformation of knowledge?
Elżbieta Prucnal-Tumasz, University of Wrocław	What kind of skills employers expect from an "ideal" candidate for SAP consultant? The case studies of Polish professional labor market.
Prof. Ezra Dessers, HIVA - KU Leuven Lise Meylemans, HIVA - KU Leuven Lise Szekér, HIVA - KU Leuven	Empowering workers with the skills they need for tomorrow: Evaluation of the FutureFit training program in Belgium
Fanni Tamasi, University of Stirling	Technology adoption and skills development in Scottish manufacturing SMEs
Frederic Naedenoen, University of Liège Marine Franssen, Lentic - HEC ULiège - Université de Liège	When digital transformations causes restructuring: the role of a qualitative social dialogue
Session D2	
Dr. Mariana Todorova, 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
Prof. Mark Levels, Maastricht University	Schools, Educations Systems and the Acquisition of Skills Relevant to the Future of Work.
Dr. Nevena Ivanova, Institute of Philosophy and Sociology, Bulgarian Academy of Sciences	Cognition and Education After Automatization
Dr. Paul Preenen, TNO Dr. Kars Mennens, Maastricht University	A Conceptualization of Public-Private Learning Communities for technological transformations and beyond
Prof. Valentina Milenkova, South-West University "Neofit Rilski"	Challenges to Digital Education in Contemporary Society
Dr Michael Kohlgrüber, TU Dortmund University, Social Research Centre Clara Behrend, TU Dortmund University, Social Research Centre	Understanding Future Skills for the Digital Transformation

SESSION E. Platform economy

Session E1	
Prof. Andrey Shevchuk, National Research University - Higher School of Economics (HSE University), Moscow, Russia	Digital platforms and the changing freelance workforce in Russia: A ten-year perspective
Prof. Cecilia Manzo, Università Cattolica del Sacro Cuore Prof. Ivana Pais, Università Cattolica del Sacro Cuore	Digital platforms in welfare systems: towards a typology
Denis Strebkov, National Research University Higher School of Economics (HSE University)	The Geography of the Digital Freelance Economy in Russia and Beyond
Prof. Ivana Pais, Università Cattolica del Sacro Cuore	Digital platforms in welfare systems: towards a typology
Mathilde Abel, Sorbonne Nouvelle University Prof. Patrick Dieuaide, Sorbonne Nouvelle University	Workplace, socio-spatial effects and algorithmic management. A perspective from the mobility service platforms
Session E2	
Tina Krell, Alexander von Humboldt Institute for Internet and Society	"One strategy does not fit all" - The role of foundational positioning in platform competition
Mirella Schrijvers, University of Utrecht	From High-Growth to High-Value Entrepreneurship
Bieke Struyf, Antwerp Management School Gabriël Mōwis, Antwerp Management School	Entrepreneurial ecosystems and Industrie 4.0 in the Flemish context

SESSION F. Working conditions in the context of digital transformation

Dr. Gábor Mélypataki, University of Miskolc	How can the human and the collaborative robots work together? - Legal and theoretical aspects
Dr. Laetitia Hauret, Luxembourg Institute of Socio-Economic Research (LISER)	Digitally Transformed Work from Home Impacts on Job Satisfaction, Job Stress and Job Productivity. COVID-19 Findings
Dr. Luuk Collou, Saxion university of applied sciences	The Challenge of Joint Optimization human centered technology implementation in SMEs
Mr Milan Wolffgramm, Research Group Human Capital in Smart Industry, Saxion University of Applied Sciences, Enschede, The Netherlands	The Challenge of Joint Optimization human centered technology implementation in SMEs
Dr. Olga Chesalina, 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
Patrick Till, Luxembourg Institute of Socio-Economic Research (LISER) Dr. Gabriele Wolff, 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

The duration of each presentation is expected to be 15 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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