

BEYOND 4.0

● BEYOND4.0 Summer School 2021: Transforming workplaces through digitalisation

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● beyond4.0.eu



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1. General overview

BEYOND4.0 Summer School 2021: 'Transforming workplaces through digitalisation.'

San Sebastian, Spain.

From: 1st of June

To: 4th of June

What is this Summer School about?

This summer school's main objective is to provide comprehensive training based on an intensive program on digitalisation and automation. The event aims to deepen understanding of evidence-based policies with the transformative potential to shape work and welfare in the Digital Age.

BEYOND4.0 aims to help deliver an inclusive European future by examining the impact of the new technologies on the future of jobs, business models and welfare. Our project employs cross-disciplinary and innovative research methods combining historical, EU-wide, regional and company-level data. The project aims to promote an inclusive digital economy that provides decent work and a decent living for EU citizens.

The Summer School will be topic-oriented, and will follow four main drivers:

1. Digitalisation of work and production:

- How to study and research work and welfare in the digital age
- How to study socio-economic consequences of technological transformations

2. Historical analysis and data sources:

- How to study technological transformations from a historical perspective
- What kind of data sets are useful and how to best use and connect them

3. Regional responses to digitalisation:

- How to study regional contexts and ecosystems and their economic digital transformation

4. Social policy and skills:

- How to study platform economies concerning welfare, tax and inclusiveness
- How to understand future skills and roles of stakeholders

European top-tier research and academic institutions will discuss all topics. Along with BEYOND4.0, other consortia from the H2020 programme are participating, such as TECHNEQUALITY and PLUS. Also, other research actions, such as PARADIGMS4.0 will also be present. Supporting networks are the European School of Social Innovation (ESSI) and the European Network of Workplace Innovation (EUWIN).

During the course, multi-disciplinary, topics, and diverse methodologies will be explained. The programme includes a range of academic activities such as lectures, roundtables and workshops.

COVID 19 Scenario: due to the current global pandemic situation, we will consider alternatives for carrying out the course with normality in case we are not allowed to have in-person activities.

Who can apply?

The Summer School is offered to multi-disciplinary and international individuals researching digitalisation. A maximum of 25 outstanding PhD students will be admitted. Considering the different topics that the Ph.D. students are developing in their studies, the common concern on methodologies, categories, and analysis approaches will be the main instrumental focus.

Therefore, international PhD students will be required to have active participation. Besides, policymakers at regional, national and EU-level along with practitioners and entrepreneurs can enrol.

The Summer School has an academic validity, and students will receive an assistance certificate.

Key dates

Applications are due by the 30 th of March 2021.

How to apply

Registration is now open:

<https://www.uik.eus/es/transforming-workplaces-through-digitalisation-beyond40-summer-school-2021>

Tuition

The tuition fee for the program is free. We will provide you with a welcome kit with all course material.

Please note that the Summer School does not cover travel, accommodation and lunch costs for the entire week.

Organising Committee

- Professor Dr Chris Warhurst – Institute of Employment Research, University of Warwick (United Kingdom)
- Dr Egoitz Pomares – University of the Basque Country-Sinnergiak (Basque Country, Spain)
- Professor Dr Steven Dhondt – Netherlands Organisation for Applied Scientific Research (The Netherlands), KU Leuven (Belgium)

About Beyond4.0

A consortium of ten European universities and research institutes are delivering the work. Check our website for more information about us: <https://beyond4-0.eu/the-project>

For further information, please contact us:

- Coordination of the Summer School: Egoitz Pomares (epomares@sinnergiak.org)
- Coordination of the project: Peter Oeij (peter.oeij@tno.nl)

Promotion

Transforming workplaces through digitalisation Summer School 2021 is an initiative of Beyond4.0, which has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 8222293. BEYOND 4.0 addresses the general priorities of the H2020 Work Programme (2018-2020) "Europe in a changing world - Inclusive, innovative and reflective societies".

Introduction to the Summer School: Objectives

The Summer School's main objective is to provide comprehensive training based on an intensive program on digitalisation and automation. The event aims to deepen our understanding of evidence-based policies with the transformative potential to shape work and welfare in the Digital Age. The activity offers a scenario to reflect the state of progress of the projects. There will be strands in areas such as the digitalisation of production, the digitalisation of work, skills, data sources, historical analysis and social policy. The Summer School is focused on sharing and discussion. Besides, the Summer School will enable PhD students to present their current research work.

The Summer School will be topic-oriented and will follow four main drivers:

Digitalisation of work and production:

- How to study and research work and welfare in the digital age
- How to study socio-economic consequences of technological transformations

Historical analysis and data sources:

- How to study technological transformations from a historical perspective
- What kind of data sets are useful and how to best use and connect them

Regional responses to digitalisation:

- How to study regional contexts and ecosystems and their digital economic transformation

Social policy and skills:

- How to study the impact of platforms on welfare, tax and inclusiveness
- How to understand future skills and roles of stakeholders

Researchers from European top-tier research and academic institutions will discuss all topics. Along with BEYOND4.0, other consortia from the H2020-programmes are participating, such as TECHNEQUALITY and PLUS. Also, other research actions, such as PARADIGMS4.0 will be present. Supporting networks are the European School of Social Innovation (ESSI) and the European Network of Workplace Innovation (EUWIN).

Specific Objectives

- To reflect the project's state of progress and present findings from the project on social policy; historical analysis; data sources; skills; policy-making; digitalisation of work and production.
- To enable young European PhD students to present their work. A special session will be organised to help develop students' skills (e.g. EU policy engagement, communicating research to a wider audience)
- To feature parallel session in cooperation with other relevant EU-level research projects, networks and institutions.

Activity directed to

- University students
- Students not from university
- Teachers
- Professionals

Methodology

During the course, diverse topics and multi-disciplinary methodologies will be explained. The programme includes a range of academic activities such as lectures, roundtables and workshops. BEYOND4.0 aims to help deliver an inclusive European future by examining the impact of the new technologies on the future of jobs, business models and welfare. Our research project employs cross-disciplinary and innovative research methods combining historical, EU-wide, regional and company-level data. The project aims to promote an inclusive digital economy that provides decent work and a decent living for EU citizens.

Beyond4.0 (H2020) Consortium:

The BEYOND4.0 consortium is composed of nine European universities and research centres. The consortium is responsible for organising the second edition of the Summer School. Sinnergiak - the University of the Basque Country, the Institute for Employment Research - University of Warwick and TNO are the core designers of the programme. BEYOND 4.0 addresses the general priorities of the H2020 Work Programme (2018-2020) "Europe in a changing world - Inclusive, innovative and reflective societies". This project receives from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 822296.

- Sinnergiak - University of the Basque Country (Spain)
- Institute of Employment Research - University of Warwick (UK)
- The Netherlands Organisation of Applied Research (Netherlands)
- Department of Social Research - University of Turku (Finland)
- Le CNAM-CEET (France)
- Institute of Philosophy and Sociology - Bulgarian Academy of Sciences (Bulgaria)
- Sozialforschungsstelle Dortmund - Technische Universität Dortmund (Germany)
- Institute for Innovation and Public Purpose - University College London (UK)
- University of Helsinki (Finland)

2. Detailed planning

Day 1- June 1

Topic - Digitalisation of work and production

09:00 - 09:45	Official Opening	
	Egoitz Pomares	face-to-face
	Steven Dhondt	face-to-face
	Chris Warhurst	zoom
09:45 - 10:30	Digitalisation of work and production I	
	Peter Oeij	zoom
	Ronald Dekker	zoom
10:30 - 10:45	Break	
10:45 - 11:30	Digitalisation of work and production II	
	Steven Dhondt	face-to-face
	Raymond Montizaan	zoom
11:30 - 12:15	Digitalisation of work and production III	
	Raymond Montizaan	zoom
	Mark Levels	zoom
12:15 - 13:15	Engaging PhD's: Pitch de PhD	
	Egoitz Pomares	face-to-face
	Sally-Anne Barnes	zoom
	Wafaa Elmezraoui	zoom
	Carla Hornberg	zoom
	Giorgio Pirina	zoom
	Nicole Berx	zoom
13:15 - 13:30	Closing Remarks	
	Egoitz Pomares	face-to-face

Day 2- June 2
Topic – Historical Analysis & Data Sources

	Egoitz Pomares	face-to-face
09:00 - 09:45	Historical Analysis & Data Sources I	
	Raymond Mortizaan	zoom
	Mark Levels	zoom
	Carlota Perez	zoom
	Carl Benedikt Frey	zoom
09:45 - 10:30	Historical Analysis & Data Sources II	
	Silvia Napolitano	zoom
10:30 - 10:45	Break	
10:45 - 11:30	Historical Analysis & Data Sources III	
	Enrique Fernandez	zoom
11:30 - 12:15	Engaging PhD's: Careers Session	
	Chris Warhurst	zoom
	Vassil Kirov	zoom
12:15 - 13:15	Engaging PhD's: Pitch de PhD	
	Egoitz Pomares	face-to-face
	Sally-Anne Barnes	zoom
	Mirella Schrijvers	zoom
	Elżbieta Prucnal-Tumasz	zoom
	Rudy Fernández Escobedo	zoom
	Ali Taleb	face-to-face
13:15 - 13:30	Closing Remarks	
	Raymond Mortizaan	zoom
	Mark Levels	zoom

Day 3- June 3**Topic – (Regional) Responses to Digitalisation**

	Egoitz Pomares	face-to-face
09:00 – 09:45	Responses to Digitalisation I Steven Dhondt	face-to-face
	Ezra Dessers	zoom
	Michiel Bal	zoom
	Yennef Vereycken	zoom
09:45 - 10:00	Break	
10:00 - 10:45	Responses to Digitalisation II Erik Stam	zoom
10:45 - 11:30	Responses to Digitalisation III Ronald Dekker	zoom
	Peter Oeij	zoom
	Jan Drahokoupil	face-to-face
11:30 - 12:15	Responses to Digitalisation IV Mattia Frapporti	zoom
	Maurilio Pirone	zoom
12:15 - 13:15	Engaging PhD: How to get published Chris Warhurst	zoom
	Vassil Kirov	zoom
13:15 - 13:30	Closing Remarks Steven Dhondt	face-to-face
	Ezra Dessers	zoom
	Michiel Bal	zoom
	Yennef Vereycken	zoom

Day 4- June 4**Topic – Social Policy and Skills**

	Egoitz Pomares	face-to-face
09:00 - 09:45	Social Policy and Skills I Antonious Schröder	zoom
	Michael Kohlgrüber	zoom
09:45 - 10:30	Social Policy and Skills II Olavi Kangas	zoom
10:30 - 10:45	Break	
10:45 - 11:30	Social Policy and Skills III Peter Totterdill	zoom
11:30 - 12:15	PhD Students Awards Egoitz Pomares	face-to-face
	Sally-Anne Barnes	zoom
	Students	zoom
12:15:12:30	Closing Remarks Antonious Schröder	zoom
	Michael Kohlgrüber	zoom
12:30-13:30	Farewell Egoitz Pomares	face-to-face
	Chris Warhurst	zoom
	Steven Dhondt	face-to-face

3. Overview of the Programme

Date	01/06/2020	02/06/2020	03/06/2020	04/06/2020
Topic	Digitalisation of work & production	Historical Analysis & Data Sources	Responses to Digitalisation	Social Policy & Skills
09:00-09:45	BEYOND4.0 Egoitz Pomares & Chris Warhurst	TECHNEQUALITY Raymond Montizaan & Mark Levels Carlota Perez & Carl Benedikt Frey	PARADIGMS4.0 Steven Dhondt & Ezra Dessers Michiel Bal & Yennef Vereycken	BEYOND4.0 Antonious Schröder & Michael Kohlgrüber
09:45-10:30	BEYOND4.0 Peter Oeij & Ronald Dekker	BEYOND4.0 Silvia Napolitano	BEYOND4.0 Erik Stam	BEYOND4.0 Olavi Kangas
10:30-10:45	Coffee Break			
10:45-11:30	BEYOND4.0/TECHNEQUALITY Steven Dhondt & Raymond Montizaan	Enrique Fernandes Macias (JRC - EC)	BEYOND4.0 Ronald Dekker, Peter Oeij & Jan Drahoukoupil	EUWIN Peter Totterdill
11:30-12:15	TECHNEQUALITY Mark Levels & Raymond Montizaan	Engaging PhD's: Careers Session BEYOND4.0 – Chris Warhurst & Vassil Kirov	PLUS PROJECT Mattia Frapporti & Maurilio Pirone	PhD Students Pitch Awards BEYOND4.0 – Egoitz Pomares & Sally-Anne Barnes
12:15-13:15	Engaging PhD's: Pitch the PhD BEYOND4.0 – Egoitz Pomares & Sally-Anne Barnes	Engaging PhD's: Pitch the PhD BEYOND4.0 – Egoitz Pomares & Sally-Anne Barnes	Engaging PhD's: How to get published BEYOND4.0 – Chris Warhurst & Vassil Kirov	Closing Remarks BEYOND4.0 Antonious Schröder & Michael Kohlgrüber
13:15-13:30	Closing Remarks BEYOND4.0 - Egoitz Pomares	Closing Remarks TECHNEQUALITY Raymond Mortizaan & Mark Levels	Closing Remarks PARADIGMS4.0 - Steven Dhondt & Ezra Dessers Michiel Bal & Yennef Vereycken	Curfew BEYOND4.0 – Egoitz Pomares, Chris Warhurst & Steven Dhondt

4. Instructions to PhDs

You will have up to 10 minutes to present. To ensure everyone gets an opportunity to present and there is time for questions, please ensure you do not go over your limit as you will be stopped. For your presentation, you are free to use a powerpoint presentation or visuals, but please ensure your camera is on. If using powerpoint or visuals, please share with SB/EP.

The aim of your presentation should be to provide a succinct overview of your research. We understand that everyone will be at different stages of their research and this will be reflected in your presentation

For your presentation, think about:

1. Articulating your research focus, the research problem and the research question(s)
2. Providing some context in terms of a literature review to demonstrate that you know your field of study and where your research sits within it
3. Identifying where the gap or weakness in current understanding is and clearly articulating your original contribution to the field
4. Providing a clear overview of your research methodology
5. Demonstrating that your research findings will (or have the potential to) generate new and/or better understanding of the field
6. Identifying possible future areas of research that might be needed
7. Linking your research to the conference themes and consider responding to one of the themes

A reminder of the conference themes:

1. Digitalisation of work and production:
 - How to study and research work and welfare in the digital age
 - How to study socio-economic consequences of technological transformations
2. Historical analysis and data sources:
 - How to study technological transformations from a historical perspective
 - What kind of data sets are useful and how to best use and connect them
3. Regional responses to digitalisation:
 - How to study regional contexts and ecosystems and their digital economic transformation
4. Social policy and skills:
 - How to study the impact of platforms on welfare, tax and inclusiveness
 - How to understand future skills and roles of stakeholders

'Pitch your PhD', 1-2 and 4 June 2021

Day 1- June 1

12:15 - 13:15 Engaging PhDs: Pitch de PhD

12:15-12:20	Introductions by Egoitz Pomares
12:20-12:30	<p>Presentation on 'how to present your research to different audiences' (by Sally-Anne Barnes & Egoitz Pomares)</p> <ul style="list-style-type: none"> - Identification of different audiences (academic, policy makers, stakeholders in your field, practitioners, other students, research participants) - Purpose of presenting research (dissemination to participants to inform practice, dissemination to promote work, to elicit feedback, to get more/new funding) - Need to consider (content, language, terminology/jargon, visuals, length, etc.)
12:30-12:40	<p>Presentation 1: "Information and Communication Technologies (ICT) and Work-Life Balance (WLB) before and post Covid-19" by Wafaa Elmezraoui</p>
12:40-12:50	<p>Presentation 2: "The relationship between computer use and job satisfaction: The mediating role of job tasks and task discretion" by Carla Hornberg.</p>
12:50-13:00	<p>Presentation 3: "The socio-material infrastructure of Platform capitalism. A critique of the myth of the digital" by Giorgio Pirina.</p>
13:00-13:10	<p>Presentation 4: "Operator-centered Safety Risk Assessment for Human-Robot Collaboration" by Nicole Berx</p>
13:10-13:15	<p>Student questions on presentation 1, 2, 3 and 4</p> <p>Close session with details of session on 02/06/21</p>

Day 2- June 2

12:15 - 13:15 Engaging PhDs: Pitch de PhD Egoitz Pomares Sally-Anne Barnes

12:15-12:20	Introductions, review of session on 01/06/21 by Sally-Anne Barnes
12:20-12:30	<p>Presentation 5: "Entrepreneurial Ecosystems in Europe" by Mirella Schrijvers</p>
12:30-12:40	<p>Presentation 6: "Consultants in the IT industry: The analysis of job quality under the conditions of digitisation. The case of Polish SAP consultants" by Elżbieta Prucnal-Tomasz</p>
12:40-12:50	<p>Presentation 7: "The Digital Industrial Cluster as a New Model for Economic Development in a Post-Pandemic World" by Rudy Fernández Escobedo</p>
12:50-13:00	<p>Presentation 8: "Technology, Automation, and the Rise of Superstar Firms" by Ali Taleb</p>
13:00-13:10	<p>Student questions on presentation 5, 6, 7 and 8</p> <p>Questions for students:</p> <ul style="list-style-type: none"> - What has worked well in the presentations you have heard? - What key learning have you taken away? - What have you learnt about the research being undertaken by upcoming researchers in the field of workplaces transformation through digitalisation?

Day 4- June 4

11:30 - 12:15 Engaging PhDs: Pitch de PhD

11:30-12:15	Presentation to: Reflect on student topics, 'Where are the next generation of researchers is going'. Most interesting presentations will have the floor. Instead of having a winner – the session will focus in a selection of presentations providing an scenario to deepen their research
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5. List of participants

Name	Surname	Study area	Nationality
Adrian	Götting	40. - Sociology	Germany
Ali	Taleb	5. - Economics	Lebanon
Andrea	Vizcaino Bermudo	31. - Education	Spain
Ans	Jansen	7. - Business Studies	Netherlands
Antonius	Schröder	40. - Sociology	Germany
Asier	Lakidain Artieda	40. - Sociology	Spain
Bagryan	Malamin	40. - Sociology	Bulgaria
Begoña	Eguía Peña	5. - Economics	Spain
Bieke	Struyf	5. - Economics	Belgium
Carl Benedikt	Frey	5. - Economics	Sweden
Carla	Hornberg	40. - Sociology	Germany
Carlota	Perez	5. - Economics	Venezuela
Chiara Natalie	Focacci	5. - Economics	Italy
Chris	Warhurst	6.- Sociology	United Kingdom
Clara Rieke	Behrend	40. - Sociology	Germany
Clare Lyonette	Sarkar	5. - Economics	India
Dessers	Ezra	40. - Sociology	Belgium
Egoitz	Pomares	5.- Law	Spain
Elżbieta Prucnal-Tumasz	Prucnal-Tumasz	40. - Sociology	Poland
Enrique	Fernandez Macias	40. – Sociology	Spain
Erik	Stam	6.- Economics	Netherlands
Eunate	Lopetegi Uson	29. – Labour relations	Spain
Ezra	Dessers	40. – Sociology	Netherlands
Gerben	Hulsegge	44. - Other	Netherlands
Gianni	Anelli Lopez	40. - Sociología	Italia
Giorgio	Pirina	40. - Sociology	Italy
Sylvie	Hamon-Cholet	38. - Psychology	France
Imad	El Hamma	5 - Economics	Frantzia
Jan	Drahokoupil	40. - Sociology	
Jon	Fuentes Guibelalde	23. - Engineering	España
Leire	Aldaz Odriozola	7. - Business Studies	Spain
Mark	Levels	6.- Economics	Netherlands
Mathias	Cuypers	40. - Sociology	Germany
Mattia	Frapporti	44. - Other	Italy
Maurilio	Pirone	29. - Labour relations	Italy
Melissa	Renau Cano	40. - Sociology	Spain
Michael Kohlgrüber	Kohlgrüber no	40. - Sociology	Germany
Michiel	Bal	40. - Sociology	Belgium
Mirella	Schrijvers	5. - Economics	Netherlands
Natalia	Restrepo Montoya	5. - Economics	Colombiana
Nicole	Berx	23. - Engineering	Belgium
Oksana	Nezhyvenko	5. - Economics	Ukraine
Olavi	Kangas	6.- Economics	Finland
Peter	Oeij	44. - Other	Netherlands

Peter	Totterdill Totterdill	40. - Sociology	United Kingdom
Piet	Verstegen	5. - Economics	Netherlands
Raymond	Montizaan	5. - Economics	Netherlands
Ronald	Dekker	5. - Economics	Netherlands
Rudy	Fernandez	5. - Económicas	México
Sally Anne Wright	Wright	29. - Labour relations	Australia
Sally-Anne Barnes	Barnes	40. - Sociology	n/a
Silvia	Napolitano	5. - Economics	Italy
Steven	Dhondt	40. - Sociology	Belgium
Vassil	Kirov	40. - Sociology	Bulgaria
Wafaa	Elmezraoui Elmezraoui	40. - Sociology	Morocco
Yennef	Vereycken	40. - Sociology	Belgium



Beyond4.0 Summer School 2021 Transforming workplaces through digitalisation

Day 1- June 1

Topic - Digitalisation of work and production

- 09:00 - 09:45 Official Opening
Egoitz Pomares & Chris Warhurst
- 09:45 - 10:30 Digitalisation of work and production I
Peter Oeij & Ronald Dekker
- 10:30 - 10:45 Break
- 10:45 - 11:30 Digitalisation of work and production II
Steven Dhondt & Raymond Mortizaan
- 11:30 - 12:15 Digitalisation of work and production III
Mark Levels
- 12:15 - 13:15 Engaging PhD s: Pitch de PhD
Egoitz Pomares & Sally-Anne Barnes
Wafaa Elmezraoui
Carla Hornberg
Giorgio Pirina
Nicole Berx
- 13:15 - 13:30 Closing Remarks
Egoitz Pomares

Day 2- June 2

Topic – Historical Analysis & Data Sources

- 09:00 - 09:45 Historical Analysis & Data Sources I
Carlota Perez & Carl Benedikt Frey
- 09:45 - 10:30 Historical Analysis & Data Sources II
Silvia Napolitano
- 10:30 - 10:45 Break
- 10:45 - 11:30 Historical Analysis & Data Sources III
Enrique Fernandez
- 11:30 - 12:15 Engaging PhD s: How to get published
Chris Warhurst & Vasil Kirov



- 12:15 - 13:15 Engaging PhD s: Pitch de PhD
Egoitz Pomares & Sally-Anne Barnes
Mirella Schrijvers
Elbieta Prucnal – Tamasz
Rudy Fernández Escobedo
Ali Taleb
- 13:15 - 13:30 Closing Remarks
Raymond Mortizaan & Mark Levels

Day 3- June 3

Topic – (Regional) Responses to Digitalisation

- 09:00 - 10:00 Responses to Digitalisation I
Steven Dhondt & Ezra Dessers
- 10:00 - 10:30 Responses to Digitalisation II
Erik Stam
- 10:30 - 10:45 Break
- 10:45 - 11:30 Responses to Digitalisation III
Ronald Dekker & Peter Oeij
Jan Drahokoupil
- 11:30 - 12:15 Responses to Digitalisation IV
Mattia Frapporti & Maurilio Pirone
- 12:15 - 13:15 Engaging PhD: How to get published
Chris Warhurst & Vassil Kirov
- 13:15 - 13:30 Closing Remarks
Steven Dhondt & Ezra Dessers
Yennef Vereycken
Michiel Bal

Day 4- June 4

Topic – Social Policy and Skills

- 09:00 - 09:45 Social Policy and Skills I
Antonious Schröder & Michael Kohlgrüber
- 09:45 - 10:30 Social Policy and Skills II
Olavi Kangas
- 10:30 - 10:45 Break
- 10:45 - 11:30 Social Policy and Skills III
Peter Totterdill



- 11:30 - 12:15 PhD Students Awards
Egoitz Pomares
Sally-Anne Barnes
- 12:15-13:15 Closing Remarks
Antonius Schröder & Michael Kohlgrüber
- 13:15-13:30 Farewell
Egoitz Pomares, Chris Warhurst & Steven Dhondt