

## Day 1 - Thursday 13th September

09:00 - 09:30

### Registration

09:30 - 09:45

### Introduction to the event

**Steve McGuire** - University of Sussex Business School, Head of School  
**Michael Dietrich** - ENEF coordinator

09:45 - 10:00

### Introduction to ENEF and this year's edition

**Joanna Chataway** - SPRU deputy director  
**Organising Committee**

10:00 - 11:00

### Keynote

**Chair: Maria Savona** - SPRU  
**Tera Allas** - McKinsey Center for Government  
*The future of work: productivity and jobs in an era of digitization*

11:00 - 11:30

### Coffee break

11:30 - 13:30

### Sectors and Applications

**Chair: Ed Steinmueller** - SPRU  
**Caroline Paunov** - OECD (presenting), **Sandra Planes-Satorra**  
*What are the Effects of Digital Transformation on Innovation Across Sectors?*  
**Laurence Saglietto, Dominique Fernandez Bonet** - IPAG Business School (presenting),  
**Alban Quillaud, Gilles Paché**  
*A Supply Chain Management View of Human Capital-Intensive Firms*  
**Valeria Cirillo, Matteo Rinaldini, Jacopo Stacciolo, Maria Enrica Virgillito** - Università Cattolica del  
**Sacro Cuore** (presenting)  
*Workers' Awareness Context in Italian 4.0 Factories*  
**Rita Strohmaier** - University of Graz (presenting), **Marlies Schütz, Simone Vannuccini**  
*On the Brink of a Fourth Industrial Revolution? A Systemic Perspective on Countries' Readiness for  
Technological Transformation*

13:30 - 14:30

### Lunch

14:30 - 16:00

### Employment and Wages

**Chair: Simone Vannuccini** - SPRU  
**Giorgio Presidente** - World Bank (presenting)  
*The Redistributive Role of Automation*  
**Irene Brunetti, Valeria Cirillo** - INAPP (presenting), **Andrea Ricci**  
*Gains and Losses from Routinization of Italian Provinces: A Firm Level Analysis of Labour Share*  
**Tommaso Ciarli** - SPRU (presenting), **Alberto Marzucchi, Edgar Salgado, Maria Savona**  
*Firm Innovation and The Wage Premium Across Occupations and Gender*

16:00 - 16:30

### Coffee break

16:30 - 18:00

### Skills and Tasks

**Chair: Francesco Rentocchini** - University of Milan  
**Seth G. Benzell** - MIT (presenting), **Guillermo Lagarda, Daniel Rock**  
*Skill Biased Technological Change Within and Across Firms: 2000-2016*  
**James Harrigan, Ariell Reshef** - Paris School of Economics (presenting), **Farid Toubal**  
*Techies, Trade, and Skill-Biased Productivity: Firm Level Evidence from France*  
**Josh Siepel** - SPRU (presenting)  
TBC

20:00

### Workshop dinner

## Day 2 - Friday 14th September

09:00 - 10:30

### Industrial Dynamics: Entry, Exit and Failures

Chair: Josh Siepel - SPRU

**Nicolò Barbieri, Ugo Rizzo** - University of Ferrara (presenting)  
*R&D Knowledge Spillovers and Employment Through Entrepreneurship*

**Elena Cefis, Alex Coad, Alessandro Lucini-Paioni** - University of Bath (presenting)  
*Innovation and Firms' Exit During the Crisis*

**Elena Cefis, Riccardo Leoncini** - University of Bologna (presenting), **Luigi Marengo**  
*Is an Innovation Failure Just a Dead End?*

10:30 - 11:00

### Coffee break

11:00 - 13:00

### The Regional Structure of Production and Employment

Chair: Alberto Marzucchi - SPRU

**Maximilian Goethner, Martin Kalthaus** - University of Jena (presenting)  
*Digital Transformation of Regional Labor Markets: Evidence From Job Vacancy Data*

**Gianluca Orsatti** - University of Turin (presenting), **Francesco Quattraro**  
*Local Labor Market Impacts of Advanced Manufacturing Systems: Evidence from European NUTS-3 regions*

**Maximilian Goethner** - University of Jena (presenting), **Alina Sorgner, Simone Vannuccini**  
*Run Away From Robots? Automation as Driver of Labor Mobility*

**Roberto Antonietti, Sandro Montresor** - Università Kore di Enna (presenting)  
*Key Enabling Technologies and (Un)related Diversification in Italian Regions*

13:00 - 14:00

### Lunch

14:00 - 15:00

### Keynote

Chair: Tommaso Ciarli - SPRU

**Guy Michaels** - London School of Economics  
*Individual Consequences of Occupational Decline*

15:00 - 16:30

### The Global Structure of Production and Employment

Chair: Maria Savona - SPRU

**Filippo Buonafede, Giulia Felice, Fabio Lamperti** - Politecnico di Milano (presenting), **Lucia Piscitello**

*Does Additive Manufacturing Impact Global Value Chains? A Country-level Empirical Study*

**Astrid Krenz** - Durham University Business School (presenting), **Klaus Prettnner, Holger Strulik**  
*Robots, Reshoring, and the Lot of Low Skilled Workers*

16:30 - 17:00

### Coffee break

17:00 - 18:30

### Final roundtable: Firm Automation in the Era of Artificial Intelligence

**Ed Steinmueller** (chair)

Professor of Information & Communication Technology Policy, SPRU

**João Carlos Ferraz**

Associate Professor, Institute of Economics, Federal University of Rio de Janeiro (IE/UFRJ)

**Luigi Marengo**

Professor of Economics, LUISS University

**Wim Naudé**

Visiting Professor in Technology, Entrepreneurship and Development, RWTH Aachen University,  
Professor of Business and Entrepreneurship at Maastricht University, Professorial Fellow at  
UNU-MERIT