



OPEN INNOVATION SUMMIT
II EDITION

Economy, Skills and Employment

*European, regional, and global
perspectives in an age of uncertainty*

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Quaderni
Fondazione G. Brodolini
STUDI E RICERCHE

ECONOMY, EMPLOYMENT
AND SKILLS:
EUROPEAN, REGIONAL
AND GLOBAL PERSPECTIVES
IN AN AGE OF UNCERTAINTY

Edited by
Terence Hogarth

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- The edited collection of essays *Economy, Employment and Skills: European and global perspectives in an age of uncertainty* (Rome: Quaderni Series No. 61) provides a variety of perspectives on technology's impact on skill demand and supply from various academics and commentators
- Evidence is provided on the threat technology poses to existing jobs and how the supply side can effectively respond to ensure that the impact of technological change on skills and jobs is a positive one





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Skills and Uncertainty

The demand side

The impact of AI, robotics and Industry 4.0 on potential job loss has been subject to much hyperbole

The extent to which existing jobs may be substituted by automation is probably modest (around 14-18% as indicated by Suta et al.)...

... with many of these jobs being relatively low skilled ones

But the pace of technological change is so fast that it poses a number of challenges to the supply side





Responding to uncertainty

The supply side

Finding ways of persuading young people to study the STEM subjects that are likely to be in demand in the future

The effective communication of the skills that are likely to be in demand in the future

Providing incentives to employers to participate in professional development / continuing vocational education and training of their workforces

Encouraging older workers to engage in skills development to avoid skills obsolescence and early exit from the labour force





National, regional and local responses

*Matching supply to
demand*

- Curricula may need to be broader in the future so that individuals have the broad base of skills that will allow them to flexibly navigate a rapidly changing labour market
- Individuals need to be informed about emerging skill needs (the role for skills anticipation)
- Providing the supply side response will, in all likelihood, need to be increasingly shaped at the local / regional level
- The skills ecosystems that develop at the urban/regional level have specific needs...
- ... with local actors best placed to articulate those needs and identify how they can be met locally





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Thank you

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