

Franciszek Kutrzeba

**SKILLS MISMATCH IN THE CONTEXT
OF TECHNOLOGICAL CHANGE**

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List of abbreviations

AI	– Artificial intelligence
BPO	– Business process outsourcing
CEE	– Central and Eastern Europe
CPS	– Cyberphysical system
EHEA	– European Higher Education Area
EU	– European Union
FK	– Fake knowledge
GPT	– General purpose technology
HE	– Higher education
HEI	– Higher education institution
ICT	– Information and communication technologies
ITU	– International Telecommunication Union
LDC	– Least developed countries
MOOC	– Massive open online course
MOOE	– Massive open online education
OECD	– Organization for Economic Co-operation and Development
PIAAC	– Program for the International Assessment of Adult Competences
RBTC	– Routine-biased technological change
R&D	– Research and development
SBTC	– Skill-biased technical change
SK	– Scientific knowledge
SSC	– Shared services center
STEM	– Science, technology, engineering, and mathematics
UGC	– User-generated content

Glossary¹

Artificial intelligence – intelligence embedded in physical devices or systems and deployable through computer software

Fake knowledge – easily falsifiable, intentionally generated misleading knowledge.

Human intelligence – intellectual prowess marked by complex cognitive feats, self-awareness, and *der Wille zum Leben*²

Scientific knowledge – a generalized body of theories explaining a phenomenon of interest acquired through the scientific method

Smart skills – skills that make people outperform smart machines

Smart machine – a device or a system with embedded cognitive computing technologies.

Technology – physical assets, intellectual and cultural resources, and organizational aspects of human activity defined by bureaucracy, laws, and other formal regulations or informal conventions

¹ Own elaboration based on the literature review.

² The will to live.