

# Dr. Ekaterina Prytkova – CV

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**Address** EUR ELMI, Office 340  
Campus Saint-Jean d'Angely, 06300 Nice

**Email** Ekaterina.PRYTKOVA@univ-cotedazur.fr

## Current Position

### **Postdoctoral Researcher in Economics of Innovation and Data Science**

Chair of Economics of Artificial Intelligence and Innovation

IdEx Excellence Scholarship

GREDEG & EUR ELMI

University of Côte d'Azur

### **Faculty associate**

Science Policy Research Unit (SPRU)

University of Sussex

## Research Interests

Economics of Artificial Intelligence and ICT

Digital Economics

Natural Language Processing/Text analysis

Economics of Innovation

Semiconductor Industry

Science and Technology Policy

Future of Work

## Technical skills

### **Programming languages**

Proficient: R, Python

Experience: SQL, Stata

### **Computing Environments**

HPC, AWS

## Referee List

Dr. Tommaso Ciarli, UNU-MERIT, SPRU University of Sussex: T.Ciarli@sussex.ac.uk

Prof. William Edward Steinmueller, SPRU University of Sussex: W.E.Steinmueller@sussex.ac.uk

Prof. Robert Seamans, NYU STERN: rcs10@stern.nyu.edu

## Teaching

Introduction to Data Science; Topics: Text as Data

Economics of Innovation III - Economic Dynamics and Structural Change (Lectures and Seminars)

Productivity and Efficiency Measurements (Seminars)

Introduction to R (Seminars)

Supervision of master theses: M.Sc in Economics, Science and Technology Policy

## Review Services

Research Policy  
Journal of Innovation Economics & Management  
Journal of Evolutionary Economics  
Structural Change and Economic Dynamics  
Science and Public Policy

## Publications & Working papers

### Publications

Vannuccini, S., & Prytkova, E. (2023), Artificial Intelligence's New Clothes? A System Technology Perspective. *Journal of Information Technology*, *tba*.  
DOI:10.1177/02683962231197824

Prytkova E., & Vannuccini S. (2022), On the basis of brain: neural-network-inspired changes in general-purpose chips, *Industrial and Corporate Change*, Volume 31, Issue 4, August 2022, Pages 1031–1055,  
DOI: 10.1093/icc/dtab077

### Working papers

1. Prytkova, E., Petit, F., Li, D., Chaturvedi, S., & Ciarli T., Revealing Semantics: Exposure of Industries and Occupations to Emerging STI Areas (CESifo Working Paper No. 10955)
2. Chaturvedi, S., Prytkova, E., Ciarli T., & Nomaler Ö., What is the Future of Automation? Using Semantic Analysis to Identify Emerging Technologies (*PILLARS working paper*)
3. Petit, F., & Prytkova, E., Skill-based Adoption of Emerging Technologies: Firm-level Evidence from Online Job Ads (*PILLARS working paper*)
4. Prytkova, E., Giabelli, A., & Petit, F., & Ciarli, T., Advertised Technologies: Identifying Adoption of Emerging Technologies in Online Job Postings (*PILLARS working paper*)
5. Prytkova, E., Ciarli, T., & Nomaler, Ö., Mirroring Technology in Science: NLP-based Construction of Publication-Patent Corpus on Digital Automation Technologies (*PILLARS working paper*)
6. Cantner, U., Graf, H., Prytkova, E., & Vannuccini, S. (2018). The Compositional Nature of Productivity and Innovation Slowdown. *JERP* No. 2018-006

## Work Experience

**08/2021 -** Science Policy Research Unit, University of Sussex, UK  
**10/2023** *Research Fellow in Economics of Innovation and Data Science*  
PILLARS project

**02/2017 -** Friedrich Schiller University Jena, Germany  
**09/2021** *PhD Dissertation: A Study on the Nature of ICT and AI and Their Impact on Industrial Trajectories*  
Committee: Prof. Uwe Cantner (FSU Jena), Prof. Edward Steinmueller (SPRU, UoS), Prof. Isabel Almudi (Zaragoza)

**09/2019 -** Science Policy Research Unit, University of Sussex, UK  
**12/2019** *Visiting Research Fellow*  
Supervisor: Prof. Edward Steinmueller

**06/2018 -** Friedrich Schiller University Jena, Germany  
**04/2019** *Program Coordinator of the Double Degree Master*  
with University of Insubria, Varese, Italy

## **Education**

**09/2014 -** National Research University Higher School of Economics St. Petersburg, St. Petersburg, Russia  
**06/2016** *M. Sc. in Management*  
Master thesis: Factors and Conditions of Innovation Diffusion in B2C markets

**10/2015 -** Friedrich Schiller University Jena, Germany  
**03/2016** *Guest Master student*  
Faculty of Economics

**09/2010 -** National Research University Higher School of Economics St. Petersburg, St. Petersburg, Russia  
**06/2014** *B. Sc. in Economics*  
Major: Industrial organization