

# Elena Parmiggiani

Associate Professor, Dept. of Computer Science  
Norwegian University of Science and Technology  
Trondheim, Norway  
parmiggi AT ntnu DOT no

<https://elenaparmiggiani.com>; Twitter: @mimita86  
ORCID: orcid.org/0000-0001-6022-416X; ResearcherID: Q-5404-2016

## CURRENT AND PREVIOUS ACADEMIC POSITIONS

- 2019-today    **Associate Professor**  
Dept. of Computer Science, NTNU, Norway
- 2016-2019    **Postdoctoral fellow**  
Dept. of Computer Science, NTNU, Norway
- 2018         **Postdoctoral fellow**  
Interact Research Unit, University of Oulu, Finland (January-June)
- 2015         **Researcher**  
Dept. of Computer Science, NTNU, Norway
- 2012-2015    **PhD candidate**  
Dept. of Computer Science, NTNU, Norway
- 2011-2012    **Researcher**  
Facoltà di Ingegneria Enzo Ferrari, Università di Modena e Reggio Emilia, Italy
- 2011         **Freelance consultant**  
Area: development of tools for machine learning-based knowledge representation

## EDUCATION

- 2015         **PhD in Information Systems**  
Thesis title: “*Integration by infrastructuring: The case of subsea environmental monitoring in oil and gas offshore operations*”, supervisor: Prof. Eric Monteiro, co-supervisors: Prof. II Vidar Hepsø, Prof. Jon Atle Gulla. Thesis available as [PDF](#).  
Dept. of Computer Science, NTNU, Norway. Disputation date: September 21<sup>st</sup>, 2015
- 2010         **Master of Science in Computer Engineering**  
Facoltà di Ingegneria Enzo Ferrari, Università di Modena e Reggio Emilia, Italy  
Thesis title: “*A Semantic recommendation System for mobile devices: design and development*”, supervisors: Prof. Sonia Bergamaschi, Prof. Monica Divitini (performed at Department of Computer Science, NTNU). Thesis available as [PDF](#).
- 2008         **Bachelor of Science in Computer Engineering**  
Facoltà di Ingegneria Enzo Ferrari, Università di Modena e Reggio Emilia, Italy

## PROFESSIONAL QUALIFICATIONS

- 2010         Professional qualification examination, license to practice as information engineer  
Università di Modena e Reggio Emilia, Italy

## MOBILITY

- 2014      **Exchange PhD student**  
Institute for the Study of Science, Technology and Innovation, University of Edinburgh, UK (May; supervisor: Robin Williams)
- 2014      **Exchange PhD student**  
IT University, Copenhagen, Denmark (September; supervisor: Pernille Bjørn)
- 2010      **Exchange master student** (Master thesis project)  
Dept. of Computer Science, NTNU, Norway (supervisor: Monica Divitini)

## COMMISSIONS OF TRUST

- 2017-today    Norwegian Representative in the Board of the IRIS Association (Scandinavian Chapter of Association of Information Systems)
- 2017-today    Member of the Advisory Board of the Scandinavian Journal of Information Systems (SJIS)
- 2017-today    Sensor (master and PhD) at the University of Oslo and Kristiania University College
- 2015-today    Reviewer for SJIS; MISQ; Computer Supported Collaborative Work (CSCW); European Conference on CSCW (ECSCW); Organization Studies; Journal of Cultural Economy; PeerJ; ACM CHI Conference on Human Factors in Computing Systems (CHI); European Conference on Information Systems (ECIS); International Conference on Information Systems (ICIS); Health Informatics Journal; Social Studies of Science (SSS) journal.

## ORGANISATION OF SCIENTIFIC MEETINGS

- 2018      Co-organizer of panel “*Infrastructuring in STS - What does infrastructuring look like? When does it look like that?*” at European Association for Social Studies of Technology (EASST), July, Lancaster, UK.
- 2018      Co-organizer of workshop “*Infrastructuring in Participatory Design*”, at the Participatory Design Conference (PDC), August, Hasselt/Genk, BE.
- 2018      Co-organizer of two-day workshop on environmental data management and modelling “*Little data, big data, no data? Data management in the era of research infrastructures*”, 26-27<sup>th</sup> April, Hyytiälä research station, FI.
- 2017      Co-organizer of track on “*Internet of Things in Organizational Life*”, at the European Conference in Information Systems (ECIS) 6-8 June, Guimaraes, PT.

Program committees: ECSCW2019, I3E 2019, GOODTECH 2018.

## MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2012-today    Association for Information Systems (AIS)
- 2013-today    Society for Social Studies of Science (4S)
- 2016-today    History of Science Society (HSS)

## LANGUAGES

English: proficient user

Norwegian: proficient user

Italian: mother tongue

French: basic speaking/writing; independent reading

## 10 SELECTED PUBLICATIONS (for all publications, see <https://elenaparmiggiani.com/publications/>)

- Monteiro, E, Parmiggiani, E. 2019. *Synthetic Knowing: The Politics of Internet of Things*. MIS Quarterly, vol. 43(1):167-184.
- Parmiggiani, E, Monteiro, E, 2018. *Shifting Baselines? Recommendations for Green IS*. International Conference in Information Systems, 13-16 December 2018, San Francisco, USA.
- Parmiggiani, E, Karasti, H, 2018. *Surfacing the Arctic: Politics of Participation in Infrastructuring*. Participatory Design Conference (PDC), 5-8 August 2018, Hasselt/Genk, BE.
- Grisot, M, Parmiggiani, E, Geirbo, HC, 2018. *Infrastructuring Internet of Things for Public Governance*, Proceedings of the European Conference on Information Systems (ECIS). Portsmouth, UK, June 26-28, 2018.
- Parmiggiani, E, 2017. *This is not a fish: On the scale and politics of infrastructure design studies*. Computer Supported Cooperative Work (CSCW). vol. 26(1-2):205-243.
- Parmiggiani, E, Monteiro, E, 2016. *A Measure of 'Environmental Happiness': Infrastructuring Environmental Risk in Offshore Oil and Gas Operations*. Science & Technology Studies 29(1):30-51.
- Parmiggiani, E, Monteiro, E, Østerlie, T, 2016. *Synthetic Situations in the Internet of Things*. IFIP WG8.2 Working Conference, Dublin, Ireland, Dec. 9-10, 2016.
- Parmiggiani, E, Monteiro, E, Hepsø, V, 2015. *The Digital Coral: Infrastructuring Environmental Monitoring*. Computer Supported Cooperative Work (CSCW) 24(5):423-460.
- Parmiggiani, E, Monteiro, E, 2015. *The Nested Materiality of Environmental Monitoring*. Scandinavian Journal of Information Systems 27(1): 33-54.
- Parmiggiani, E, Hepsø, V, 2013. *Pragmatic Information Management for Environmental Monitoring in Oil and Gas*, the 21<sup>st</sup> European Conference on Information Systems (ECIS), Utrecht, The Netherlands, June 5-8, 2013.

## TEACHING ACTIVITIES TO DATE

- 2019 – Research-based Innovation Methodologies in Computer and Information Science (master and PhD); Dept. of Computer Science, NTNU (spring; lecturer)
- 2018 – Digitalt Samfunn (bachelor, in Norwegian), Dept. Of Computer Science, NTNU (autumn; lecturer)
- 2018 – Digital Service Innovation (master), Dept. of Computer Science, NTNU (spring; lecturer)
- 2017 – Topics in Information Technology (PhD), Department of Computer Science, NTNU (spring; lecturer)
- 2016; 2017 – Research-based Innovation Methodologies in Computer and Information Science (master), Dept. of Computer Science, NTNU (spring; co-lecturer and assignment coordinator)
- 2017; 2019 – Digital Service Innovation (master), Dept. of Computer Science, NTNU (spring; co-lecturer and assignment coordinator)
- 2016-today – Guest lecturer for the courses:
  - Cooperation Technology and social media (master), Dept. of Computer Science, NTNU
  - Innovation and innovation leadership (Executive master's in Management and Leadership), NTNU
  - Internet of Things (bachelor) at Oslo Metropolitan University

## SUPERVISION

Currently supervising 1 PhD candidate (topic: rhetorics of citizen participation in digitalization projects) and co-supervising 1 PhD candidate (topic: digital platforms in the welfare sector).

## SELECTED RESEARCH PROJECTS (most relevant participations only)

- 2018-today Co-PI in the project “AlgoCult: Algorithmic Cultures and the Digitalization of the public sector”, funded by the Norwegian Research Council (SAMKUL program) to establish a research network. Main partners: Kristiania University College, University of Oslo, University of Bergen (<http://www.algocult.org/>)
- 2017-2018 Co-PI and work package leader in the project “InfraData (Infrastructuring Internet of Things in Public Governance)”, funded by the Norwegian Research Council (IKTPLUS program). Main partners: NTNU, University of Oslo, University of Edinburgh, Washington University, LSE (<https://goo.gl/wjHDEZ>)
- 2016-2018 Participation in the project “MULTICS (Multi-scoped infrastructuring: Forming a knowledge infrastructure for ILTER Network)” (responsible for fieldwork in Norway), funded by the Academy of Finland (<http://interact.oulu.fi/multics>)
- 2015-today Participation in Sirius (Center for Scalable Data Access in the Oil and Gas Domain), funded by the Norwegian Research Council (SFI program, 2015-2023). Main partners: University of Oslo, NTNU, University of Oxford, Statoil, Schlumberger, DNVGL, Kadme, IBM. (<http://sirius-labs.no/>)
- 2017-today Project leader for Sirius feasibility project: e3D (Engineering Approach to Data-Driven Delivery). With IBM and University of Oslo
- 2012-2015 Participation in Digital Oil (Doil), funded by the Norwegian Research Council (VERDIKT program). Leading the study on environmental monitoring in oil and gas operations. Main partners: NTNU, Statoil, NTNU Social Research, Conoco Phillips (<http://www.idi.ntnu.no/~ericm/Doil-introduction.pdf>)