PERSONAL INFORMATION

Michel Schilperoord

- Campo Novo Business, Anni-Eisler-Lehmann-Straße 2 a, Apt. 1.12, 55122 Mainz (Germany)
- +49 151 66112133
- mischilp@uni-mainz.de, mschilperoord@gmail.com

Sex Male | Date of birth 14 September 1969 | Nationality Dutch

WORK EXPERIENCE

Dec. 2017–Present

Researcher

Technology and Innovation Sociology / Social Simulation (TISSS) Laboratory, Johannes Gutenberg University Mainz (Germany)

10/2018-Present: Teaching BA and MA courses (Social Simulation)

12/2017-Present: Habilitation project at JGU

Jan. 2015–Nov. 2017

Researcher

EA European Academy GmbH, Ahrweiler (Germany)

10/2015–11/2017: Researcher on the BMBF project Enabling Innovation by Simulation (EIS) – Simulating the Innovation Capacity of Public Research Organisations on the Institute Level

1/2015–9/2015: Responsible for running the EA Lab www.ea-aw.org/ea-lab.html

4/2015–1/2016: Researcher on the EU FP7 project Governance for Responsible Innovation (GREAT) www.great-project.eu

Jan. 2009–Dec. 2014

Research Fellow

Innovation Research Unit (IRU), University College Dublin (Ireland)

Responsible for building the IRU Computational Policy Laboratory www.ipse.ie/sp1

2012–2014: Researcher on the PRTLI Cycle 5 project Innovation Policy Simulation for the Smart Economy (IPSE) www.ipse.ie

2010–2011: Collaborator on the EU Tender project Using Network Analysis to Monitor and Track Effects Resulting from Changes in Policy Intervention and Instruments (SMART 2010/0025), DG Connect, European Commission (Evaluation Unit)

2009–2010: Collaborator IRU, a Strategic & Major Initiative of UCD funded by EU project overheads

2005–2008

Modelling Researcher

Dutch Research Institute for Transitions (DRIFT), Erasmus University Rotterdam (Netherlands)

2005–2008: Researcher on the EU FP6 project Methods and Tools for Integrated Sustainability Assessment (EU-MATISSE)

Responsible for prototyping an agent-based model of societal transitions, for simulation studies of sustainability scenarios for mobility in the EU and housing in the UK

2004–2005

Research Fellow

Institute for International Integration Studies, Trinity College Dublin (Ireland)

2004–2005: Researcher on the IRC project Modelling Political Competition in the European Parliament

Responsible for extending a multi-dimensional, multi-party competition agent-based model, with applications to Irish politics and the EP

2001–2003	**Researcher**
	Laboratory for Agent Modelling, University of Lisbon, Lisbon (Portugal)
	2001–2003: Researcher on the EU FP5 project Complexity in Social Science (COSI)
	Responsible for conducting a simulation study of innovation dynamics, with a case study on a science and technology park near Lisbon

Jan. 2001–May 2001	**Visiting Researcher**
	Centre for Technology and Innovation Management (NITEC), University of Rio Grande do Sul (UFRGS), Porto Alegre (Brazil)
	Organisation of two workshops on policy modelling to support integrated urban waste management, the results of which were used to outline an agent-based model

1997–2000	**Consultant**
	Decision Support Systems group, Resource Analysis Strategic Policy Advice, Delft (Netherlands)
	Responsible for development of software for a range of innovative methods and tools designed to support national and international environmental policy

1997	**Consultant**
	Waste Prevention group, Cycle Systems Waste and Energy Management, Rotterdam (Netherlands)
	Responsible for development of waste prevention programs for hospitals and office buildings

EDUCATION AND TRAINING

1994	**MSc in Econometrics**
	Erasmus University Rotterdam (Netherlands)

2005	**International PhD in Cleaner Production and Industrial Ecology**
	Erasmus University Rotterdam (Netherlands)
	PhD thesis: "Complexity in Foresight"

PERSONAL SKILLS

Mother tongue(s)	Dutch

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2
Portuguese	B2	B2	B2	B2	B2
Spanish	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Computer skills	List of software and programming languages applied in projects:
	Java, Python, C++, Objective C, JavaScript, D3.js, NetLogo, Vensim, Rails, Eclipse, Git, Gephi, NetworkX, RePast, Mason, NetLogo, Swarm, R, SPSS, Stata

Publications	Book chapters:

- Schilperoord (2016) 'Start-ups when and where? Using the SKIN platform for modelling the birth of new firms'. In: Ahrweiler P, Gilbert N, Pyka A (eds) *Joining Complexity Science and Social Simulation for Innovation Policy*. Agent-based modelling using the SKIN platform. Cambridge Scholars Publishing, UK
- Ahrweiler P, Schilperoord M, Pyka A, Gilbert N (2014) 'Testing policy options for Horizon 2020 with SKIN'. In: Gilbert N, Ahrweiler P, Pyka A (eds) *Simulating Knowledge Dynamics in Innovation Networks – SKIN*, Springer: Heidelberg/New York
- Schilperoord M, Ahrweiler P (2014) 'Towards a prototype policy laboratory for simulating innovation networks'. In: Gilbert N, Ahrweiler P, Pyka A (eds) *Simulating Knowledge Dynamics in Innovation Networks – SKIN*. Springer: Heidelberg / New York
- Ahrweiler P, Schilperoord M, Gilbert N, Pyka A (2012) 'Simulating the role of MNCs for knowledge and capital dynamics in networks of innovation'. In: Heidenreich M (ed) *Innovation and Institutional Embeddedness of Multinational Companies*. Cheltenham, UK: Edward Elgar Publishing Ltd.
- Laver M, Sergenti E, Schilperoord M (2012) 'Endogenous birth and death of political parties in dynamic party competition'. In: Seth A, Prescott T, Bryson J (eds) *Modelling Natural Action Selection*. Cambridge: Cambridge University Press

Peer reviewed journals:

- Ahrweiler P, Schilperoord M, Pyka A, Gilbert N (2015) 'Modelling research policy: ex-ante evaluation of complex policy instruments'. *Journal of Artificial Societies and Social Simulation*, 18 (4)
- Köhler J, Whitmarsh L, Nykvist B, Schilperoord M, Bergman N, Haxeltine A (2009) 'A transitions model for sustainable mobility'. *Ecological Economics*, 68 (12):2985-2995
- Schilperoord M, Rotmans J, Bergman N (2008) 'Modelling societal transitions with agent transformation'. *Computational and Mathematical Organization Theory*, 14 (4):283-301
- Bergman N, Haxeltine A, Whitmarsh L, Köhler J, Schilperoord M, Rotmans J (2008) 'Modelling socio-technical transition patterns and pathways'. *Journal of Artificial Societies and Social Simulation*, 11 (3)
- Haxeltine A, Whitmarsh L, Rotmans J, Schilperoord M, Bergman N, Köhler J (2008) 'Conceptual framework for transition modelling'. *International Journal of Innovation and Sustainable Development*, 3 (1-2):93-114
- Laver M, Schilperoord M (2007) 'Spatial models of political competition with endogenous political parties'. *Philosophical Transactions of the Royal Society B*, 362 (1485):1711-1721

Other publications:

- Köhler J, Schilperoord M (2008) 'Report on a historical calibration case study for the MATISSE WP9 transitions model: a new perspective on the transition from sail to steam in ocean shipping'. Working Paper
- Tàbara D et al. (2007) 'Participatory modelling for the integrated sustainability assessment of water'. Working Paper
- Bergman N, Whitmarsh L, Köhler J, Haxeltine A, Schilperoord M (2007) 'Assessing transitions to sustainable housing and communities in the UK'. International Conference on Whole Life Urban Sustainability and its Assessment