

**EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT DR SIEBERS  
(ACADEMIC DETAILS ONLY :) - SECOND EDITION**

*Dr Peer-Olaf Siebers*

University of Nottingham  
School of Computer Science  
Nottingham, NG8 1BB, UK  
peer-olaf.siebers@nottingham.ac.uk

**ABSTRACT**

After more than 10 years of publishing the first edition of my research agenda I felt that it's time for an update. My current research can be subsumed under the umbrella of "collaboratively creating artificial labs for better understanding current and future human and mixed human/robot societies". I am a strong advocate of agent-based simulation, but open to hybrid solutions. My poster provides references to my previous and ongoing work, identifies current gaps, and offers ideas for future collaborations.

My research aligns towards standardisation of methods and towards considering future scenarios of human/robot interactions in an operational and service oriented context. Wherever possible, I aim to introduce techniques from computer science, and in particular software engineering, to come up with a more structured and transparent approach to simulation modelling. I also like to embed simulation into other analysis tools to enable these to consider uncertainties in a transparent way.

**Keywords:** Agent-Based Modelling, Social Simulation, Standardisation, Research Agenda

**AUTHOR BIOGRAPHIES**

**PEER-OLAF SIEBERS** is an Assistant Professor at the School of Computer Science, University of Nottingham, UK. His main research interest is the methodological advance of Computer Simulation as it is used for studying human-centric and coupled human-natural systems. He is a strong advocate of "object oriented" agent-based modelling. For more see <http://www.cs.nott.ac.uk/~pszps/>