

Science College June 19, 2009
Veranstaltungszentrum RUB

Programme

Moderation: Prof. Dr. Erich Hörl, Jun.prof. für Medientechnik & Medienphilosophie, RUB

8:30	Registration and Coffee	Foyer West
9:00	Welcome Prof. Dr. Roland Fischer Dean of the Research School	Room 2a
9:15	Keynote Lectures <i>Simulation of the Soul</i> Prof. Dr. Dietrich Dörner Professor of Theoretical Psychology, Universität Bamberg	Room 2a
10:15	<i>Idea and Reality: Computer Simulations as a Tool for Material Design</i> Prof. Dr. Alexander Hartmaier Professor of Micromechanical and Macroscopic Modelling, ICAMS Ruhr-Universität Bochum <i>& Application of Computational Thermodynamics for Steel Development</i>	
11:30	<i>The Interface Problem of Computer Simulations</i> Prof. Ph.D. Paul W. Humphreys Professor of Philosophy of Science, Metaphysics, and Epistemology, University of Virginia, USA	
12:30	Lunch	Room 2b
13:30	Parallel Workshops <i>1. Problems of Gathering and Sharing Data - Challenges in Plasma Modelling and Simulation</i> Dr. Ir. Jan van Dijk , Assistant Professor at the Department of Applied Physics, Technische Universiteit Eindhoven, Netherlands Moderator: Sebastian Rasche (LS) <i>2. What is an Emotion and how can it be Conceptualized and Simulated?</i> Prof. Dr. Dietrich Dörner , Professor of Theoretical Psychology, Universität Bamberg Moderators: Nikolas Knake (NSE), Agnieszka Komorowska (HSS)	Room 1 (west) Room 1 (east)

	<p><i>3. Simulation and Experiment</i> PD Dr. Jürgen Schlitter, Conductor of the Theoretical Biophysics Group at the Chair of Biophysics, RUB Moderators: Simon Steves (NSE), Florian Hoof (HSS)</p> <p><i>4. How can Simulation and Modelling Support Innovation and Value Creation in High Wage Countries?</i> Prof. Dr. Alexander Hartmaier, Professor of Micromechanical and Macroscopic Modelling, ICAMS RUB Moderator: Raphael van Riel (HSS)</p> <p><i>5. Simulations: General or Particular?</i> Prof. Ph.D. Paul W. Humphreys, Professor of Philosophy of Science, Metaphysics, and Epistemology, University of Virginia, USA Moderators: Kerstin Batzel (HSS), Jens Kortmann (LS)</p> <p><i>6. Predictions in Times of Crisis</i> Prof. Dr. Wim Kösters, Professor of Theoretical Economics, RUB Moderators: Martin Lapke (NSE)</p> <p><i>7. Multiscale Modelling of Biomedical Systems - Problems of Interdisciplinarity</i> Prof. Dr.-Ing. Georg Schmitz, Professor of Medical Engineering, RUB Moderator: Rachel Glaves (NSE)</p> <p><i>8. How to Model Something That Does (not yet) Exist - Simulating Futures</i> Dr. Sven Hirsch, Computer Vision Laboratory, ETH Zürich, Z_punkt Consulting Moderators: Kerstin Rosenow (HSS), Henrik Böttner (NSE)</p>	<p>Room 2a (west)</p> <p>Room 2a (east)</p> <p>Room 2b (west)</p> <p>Room 2b (east)</p> <p>Room 3 (west)</p> <p>Room 3 (east)</p>
15:30	Coffee and Exchange of Workshop-Results	Foyer West
17:00	<p>Evening Talk <i>Simulation and Serious Gaming</i> Dr. Igor S. Mayer, Associate Professor of Public Management and Gaming, Delft University of Technology, Netherlands</p>	Room 2a
18:00	<p>Ceremony and Social Evening Prof. Dr. Elmar Weiler Rector of the Ruhr-Universität & Prof. Dr. Roland Fischer Dean of the Research School</p>	Room 2b