

SCIENCE POLICY OF SIMULATION

CLOSING SESSION

Martin Warnke | Michael Resch

FRIDAY | September, 30th, 17-19 | Closing Session

Martin Warnke studied mathematics and physics at FU Berlin and at Hamburg University. He graduated in theoretical physics and started work at Lüneburg University, where he did his Habilitation in 2008. Until 2010 he was chair of the Computer and Media Centre of the Leuphana University Lüneburg. In 2010 he became the managing head of the Institute for Culture and Aesthetics of Digital Media (ICAM), where he works as professor. Together with Claus Pias he is one of the directors of the DGF-Institute for Advanced Study on „Media Cultures of Simulation“ (MECS). His research mainly focuses on digital knowledge systems and computer simulations.

Selected Publications

Warnke: “Automaten: Können Maschinen denken?“ In: Kaube, Laakman (Eds.): *Das Lexikon der offenen Fragen*, Stuttgart: Metzler Verlag, 2015

Warnke: “Lemma Quantenkryptographie“. In: Schröter (Ed.): *Handbuch Medienwissenschaft*, Stuttgart: Metzler Verlag, 2015

Warnke: *Theorien des Internet zur Einführung*. Hamburg: Junius Verlag, 2011

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Michael Resch is director of the National High Performance Computing Center Stuttgart (HLRS), which is one of the fastest civil computer systems in Europe. He is professor and director at the Institute of High Performance Computing at the University of Stuttgart and vice chairman of the Gauss Centre for Supercomputing. Michael Resch studied technical mathematics at the University of Graz. After being a research fellow and manager at the computer center of the University of Stuttgart he was assistant professor at the University of Houston, Texas in 2002. His research interests include informational technology, simulations, visualizations, mobility and transport.

Selected Publications

Resch, Niethammer, Gracia, Knüpfer, Nagel (Eds.): *Tools for High Performance Computing 2014*. Heidelberg / New York: Springer, 2015

Resch, Wierse: "Porsche: An Industrial Use Case". In: Osseyran, Giles: *Industrial Applications of High Performance Computing: Best Global Practices*, Boca Raton, Fla. [i.a.]: Chapman & Hall / CRC, 2015

Resch, Nagel, Kröner (Eds.): *High Performance Computing in Science and Engineering '13, Transactions of the High Performance Computing Center Stuttgart*, Heidelberg / New York: Springer, 2014

Resch, "What's the Result? – Thoughts of a Center Director on Simulation". In Durán, Arnold (Eds.): *Computer Simulations and the Changing Face of Scientific Experimentation*, Newcastle: Cambridge Scholars Publishing, 2013

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