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Curriculum Vitae

1982.07.05	Wroclaw University of Technology, Poland, PhD with “summa cum laude”
1982 – 1983	Post-doctoral position, University Münster, Germany (Prof. Dr. Pfefferkorn)
1984	Postdoctoral position, FhG, Berlin, X-ray lithography (Prof. A. Heuberger)
1985 to 2005	Senior Scientist, University Kassel, Manager of microstructuring group
1986	Guest Scientist, Siemens Corp., München, Team mem. developed first Megabit chip
1998	University of Kassel, Invention of the Gas-Chopping Method for etching of div. Materials
1996	Invention of piezoresistive full bridge circuit for SPM probes
2000	Guest Professor at Technical University of Vienna
2001	Evaluation and fabrication of AFM array for ESA-Midas Space Mission
2002	Creator and Scientific Coordinator of the FP6 Project No. IP 515739-2 “PRONANO”
2003 and 2004	Guest Professor at Technical University of Vienna
2005	Nominated for Professor at Technical University of Ilmenau
2006	Guest Professor at UC-Berkeley
2007, 2008	Visiting Professor at UC Berkeley, LBNL
2012	Medal of the TU Wroclaw, "Meritorious for the Faculty of MEMS and Photonics"
2013	Creator and Coordinator of the FP7 no 318804 SNM; http://www.tu-ilmenau.de/en/snm-project/partners/ .
2015	The Alexander von Humboldt Honorary Professor Research Fellowship

1. M. Kästner Yana Krivoschapkina and Ivo W. Rangelow “Breaking the Lithographic Resolution Limits with Low Energy Electrons” accepted for publishing in **N. Communications, 2016**
2. I.W.Rangelow et al. “Pattern-generation and pattern-transfer for single-digit nano-devices” **2016** accepted **JVST**
3. A. Schuh, I. Soltani Bozchalooi, K. Youcef-Toumi and Ivo W. Rangelow “Multi-eigenmode control for high material contrast in bimodal and higher harmonic atomic force microscopy, **Nanotechnology** 26 (2015) 235706 (14pp);
4. A. Ahmad, Tzv. Ivanov, T. Angelov and I.W. Rangelow “Fast atomic force microscopy with self-transduced, self-sensing cantilever” **Journal of Micro/Nanolith. MEMS MOEMS** 14(3) 031209 (2015)
5. M. Kaestner, and I.W. Rangelow “Advanced electric-field scanning probe lithography on molecular resist using active cantilever” **Journal of Micro/Nanolith. MEMS and MOEMS**, 14(3), 031202 (2015)
6. A. Schuh, M. Hofer, Tzv. Ivanov and I.W. Rangelow “Active Microcantilevers for High Material Contrast in Harmonic Atomic Force Microscopy” **IEEE Journal of Microelectromechanical Systems**, JMEMS-2015.2428677
7. M. Hofer, Tzv. Ivanov, M. Rudek, D. Kopiec, E. Guliyev, T.P. Gotszalk and I.W. Rangelow, “Fabrication of self-actuated piezoresistive thermal probes” **Microelectronic Engineering**, Volume 145, 1, Pages 32-37 **2015**
8. D. Roeser, S. Gutschmidt, T. Sattel and I.W. Rangelow “Tip Motion-Sensor Signal Relation for a Composite SPM/SPL Cantilever” Volume: PP, Issue: 99, Pages: 1 - 3, **IEEE Journal of Microelectromechanical Systems**, **2015**
9. J. Schwartz, S. Aloni, D.F. Ogletree, M. Tomut, M. Bender, D. Severin, C. Trautmann, I.W. Rangelow and T. Schenkel “Local formation of nitrogen-vacancy centers in diamond by swift heavy ions” **JOURNAL OF APPLIED PHYSICS** **116**, 214107 (2014);
10. A. Ahmad, A. Schuh and I.W. Rangelow “Adaptive AFM scan speed control for high aspect ratio fast structure tracking” **Review of Scientific Instruments** **85**, 103706 (2014);

Revised publications: 294, H-index: 35, Conference contribution: 229, Invited presentation: 89