

CURRICULUM VITAE

Dr. rer. nat. Frederik Golks, LL.M.

Contact Robert Bosch GmbH
C/IPM6, Fe034
PB 30 02 20
70442 Stuttgart, Germany
+49 711 811-33290



PROFESSIONAL EXPERIENCE AND EDUCATION

Jan. 2018 – Oct. 2018	academic studies in IP law and IP management (MIPLM), University of Strasbourg (LL.M., magna cum laude)
May 2014 – today	senior intellectual property counsel, corporate intellectual property, Robert Bosch GmbH, Stuttgart
Apr. 2013 – Oct. 2013	distance study ‘patent law for natural scientists and engineers’, Beuth University of Technology, Berlin (certificate, magna cum laude)
Sept. 2011 – Apr. 2014	research assistant and team leader, corporate research of Robert Bosch GmbH Gerlingen, focus on energy storage and energy converters
Jun. 2011 – Aug. 2011	postdoctoral research fellow at University of Kiel, focus on physics of interfaces and electrochemistry
Apr. 2008 – May 2011	PhD in interface physics/electrochemistry, University of Kiel and European Synchrotron Radiation Facility Grenoble, focus on electrochemical copper plating in microchip industries (PhD, summa cum laude)
Oct. 2003 – Mar. 2008	academic studies in physics, University of Kiel (diploma, magna cum laude)

AWARDS AND INVITED TALKS

Invited talk at University of Kiel, 2013, Kiel

Invited talk at European Synchrotron Radiation Facility (ESRF), 2011, Grenoble

Invited talk at Deutsches Elektronen-Synchrotron (DESY), 2011, Hamburg

Invited talk at Centre National de la Recherche Scientifique (CNRS), 2011, Grenoble

Best poster award, Electrochemical Society, 216th ECS meeting, 2009, Vienna

Publication of article „High-speed in situ surface X-ray diffraction studies of the electrochemical dissolution of Au(001)“ in „Journal of the American Chemical Society“ (JACS Vol. 133, 2011) including journal cover page related to said article

PUBLICATIONS IN SCIENTIFIC JOURNALS

Temperature-controlled calendaring process of $\text{Li}(\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3})\text{O}_2$ positive electrode, H. Gräbe, M. Indrikova, A. Netz, F. Golks, A. Kwade, Energy Technology, submitted, 2017

The interaction of consecutive process steps in the manufacturing of lithium-ion battery electrodes with regard to structural and electrochemical properties, H. Bockholt, M. Indrikova, A. Netz, F. Golks, A. Kwade, Journal of Power Sources, 325, 2016

The Morphology of Battery Electrodes with the Focus of the Conductive Additives Paths, M. Indrikova, S. Grunwald, F. Golks, A. Netz, B. Westphal, A. Kwade, Journal of Electrochemical Society, 162, A2021-A2025, 2015

In-situ surface x-ray diffraction studies of homoepitaxial growth on Cu(001) from aqueous acidic electrolyte, F. Golks, J. Stettner, Y. Gründer, K. Krug, J. Zegenhagen, O. M. Magnussen, Surface Science, Volume 631, 2015

In operando GISAXS Studies of Mound Coarsening in Electrochemical Homoepitaxy, M. Ruge, F. Golks, J. Zegenhagen, O. M. Magnussen, J. Stettner, Physical Review Letter, 112, 2014

Cu(111) in chloride containing acidic electrolytes: Coadsorption of an oxygenated species, Y. Gründer, A. Drünkler, F. Golks, G. Wijts, J. Stettner, J. Zegenhagen, O. M. Magnussen, Journal of Electroanalytical Chemistry, 712, 74-81, 2014

In-situ surface x-ray diffraction studies of the influence of the PEG-Cl-complex on homoepitaxial electrodeposition on Cu(001), F. Golks, Y. Gründer, A. Drünkler, J. Roy, J. Stettner, J. Zegenhagen, O. M. Magnussen, Journal of the Electrochemical Society, 160 (12) D3165-D3170, 2013

Anomalous potential dependence in homoepitaxial Cu(001) electrodeposition: an in situ surface X-ray diffraction study, F. Golks, J. Stettner, Y. Gründer, K. Krug, J. Zegenhagen, O. M. Magnussen, Physical Review Letter, 108, 256101, 2012

Structure and electrocompression of the chloride adlayers on Cu(111), Y. Gründer, A. Drünkler, F. Golks, G. Wijts, J. Stettner, J. Zegenhagen, O. M. Magnussen, Surface Science, 605, 1732, 2011

High-speed in situ surface X-ray diffraction studies of the electrochemical dissolution of Au(001), F. Golks, K. Krug, Y. Gründer, J. Zegenhagen, J. Stettner, O. M. Magnussen, Journal of the American Chemical Society Communications, 133, 3772, 2011

Real-time surface x-ray scattering study of Au(111) electrochemical dissolution, K. Krug, D. Kaminski, F. Golks, J. Stettner, O. M. Magnussen, Journal of Physical Chemistry C, 114, 18634-18644, 2010

Study of Bi UPD structures on Au(100) using in situ surface x-ray scattering, S. H. Zheng, K. Krug, F. Golks, D. Kaminski, S. Morin, O. M. Magnussen, Journal of Electroanalytical Chemistry, 649, 189-197, 2010

Reversal of chloride-induced Cu(001) subsurface buckling in electrochemical environment: An in situ surface x-ray diffraction and density functional theory study, Y. Gründer, D. Kaminski, F. Golks, K. Krug, J. Stettner, O. M. Magnussen, A. Franke, J. Stremme, E. Pehlke, Physical Review B, 81, 174114, 2010

Time-dependent diffraction studies of the Au(100) electrode surface during deposition, D. Kaminski, K. Krug, F. Golks, J. Stettner, O. M. Magnussen, Journal of Physical Chemistry C, 111, 17067-17071, 2007