

Curriculum Vitae

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Date of Birth: 17.05.1987 (Chickasha, OK, USA)
Citizenship: USA
Marital Status: Married



Education

Ph.D. Columbia University, Research Director Jack Norton (2014)
M.Phil., Columbia University, Research Director Jack Norton (2013)
M.A., Columbia University, Research Director Jack Norton (2011)
B.S., University of Oklahoma, Research Director Kenneth M. Nicholas (2009)
High School, Cement High School, Cement, OK (2005)

Employment History

Junior Professor (Tenure Track), Institute for Chemical Technology, University of Stuttgart (2019-pres)
Postdoctoral Fellow, MPI for Chemical Energy Conversion, Research Director Walter Leitner (2018-19)
Postdoctoral Fellow, RWTH Aachen, Research Director Walter Leitner (2017-18)
Postdoctoral Fellow, ETH Zürich, Research Director Christophe Coperet (2014-17)

Research Interests

Surface Organometallic Chemistry, Mechanistic Chemistry, Reactive Intermediates, Kinetics and Thermodynamics of Catalytic Processes, Technical Chemistry

Fellowships

Marie Curie ETH Zürich Postdoctoral Fellowship (2015)
US Department of Energy Office of Science National Graduate Fellowship (2010)
Dick Van der Helm Undergraduate Research Fellowship (2008)

Awards

Best Presentation, Swiss Chemical Society Meeting, Inorganic Division (2016)
Pegram Award for Excellent Doctoral Work, Columbia University (2014)
Miller Teaching Award, Columbia University (2011)

Languages

English (Native)
German (Fluent)

Presentations

Deven P. Estes, Andreas Rosen, Walter Leitner, Jürgen Klankermayer, Tailored Catalyst System for the Synthesis of Dimethoxymethane from CO₂ and Molecular Hydrogen, 18th International Symposium on Relations between Homogeneous and Heterogeneous Catalysis, July 23rd, 2018, Sydney, AU

Deven P. Estes, The Effect of Electron-Withdrawing Ligands on Alkyne Metathesis Catalysts: Insights from Solid State NMR, International Symposium on Olefin Metathesis and related reactions (ISOM) XXII, July 11th, 2017, Zürich, CH

Deven P. Estes, G. Siddiqui, F. Allouche, K. V. Kovtunov, O. V. Safonova, A. Trigub, I. V. Koptuyug, C. Copéret, C-H Activations Catalyzed by Transition-Metal Ions Isolated on Metal Oxide Surfaces, Swiss Chemical Society Fall Meeting 2016, September 15th, 2016, Zürich, CH

Deven P. Estes, David C. Grills, Gang Li, Jack R. Norton; Investigation of the Co-H Bond in Solvated Cobaloximes, In *Abstracts of Papers*, Proceedings of the 246th ACS National Meeting and Exposition, Indianapolis, IN, September 8-12th, 2013; American Chemical Society: Washington, DC, 2013

Jack R. Norton, Deven P. Estes, Aaron K. Vannucci, Ariel Hall, Dennis L. Lichtenberger; Acidities and metal-hydrogen bond dissociation energies of $(\eta^5\text{-C}_5\text{R}_5)\text{M}(\text{CO})_2\text{H}$ (M= Fe, Ru, Os) (R = H, Me), In *Abstracts of Papers*, Proceedings of the 241st ACS National Meeting and Exposition, Anaheim, CA, March 27-31st, 2011; American Chemical Society: Washington, DC, 2011