

Curriculum Vitae – Wolfgang Meyer

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PROFESSIONAL EXPERIENCE

Freelancer and Consultant

04/2015 – present

- Technology landscapes, e.g. biodegradable plastics, wind turbines
- Project and idea evaluations and comparisons
- Target efficiency analysis
- Renewable-based chemistry
- Academic editing on internet platform, more than 200 edited manuscripts
- Lecture on Industrial Chemistry and relations to economics and resource availability, 40 h
- e-Books: LED Lighting

International Client Base

Technology/Business Analyst

07/2009 - 03/2015

- Techno-economic evaluations to inform strategic decisions for business and R&D
- Technology landscapes
- Founder and coordinator of the Sasol renewables platform

Sasol Technology – Technology Management

R&D Scientist and Line Manager

07/2002 – 06/2009

- Olefin metathesis with homogeneous and heterogeneous catalysts
- Organometallic synthesis
- Trimerisation and tetramerisation of olefins

Sasol Technology – R&D Department

Lecturer

01/2000 – 06/2002

- Organometallic synthesis and catalysis, hydroformylation with rhodium catalysts
- Teaching chemistry for engineers, polymer chemistry for year chemistry students

University of the Witwatersrand, School of Chemistry

Consultant and Director

07/1999 – 07/2002

- Software packaging for data evaluation

SIIS Consultants CC

EDUCATION

MBA at Milpark Education (March 2018), 02/2014 – 03/2018, thesis: Recruitment and retention of scarce skills within the South African manufacturing and service industry

Postdoctoral studies at (now:) the University of Johannesburg and the University of Stellenbosch supervised by Prof. Helgard Raubenheimer, synthesis of palladium complexes, carbene chemistry, 08/1996 – 12/1998

PhD (Dr. rer. nat., April 1996) and study of chemistry at **RWTH Aachen** under Prof. Willie Keim, working on rhodium-catalyzed hydroformylation in the pores of zeolites, 10/1986 – 04/1996

Schooled and raised in Heinsberg, Germany

Other:

Management Development Programme, Graduate School of Business, University of Stellenbosch, Team: winner best business idea, 23/07/98 – 16/11/98

The Oxford Princeton Programme, Understanding the International Petrochemicals Business, March 2006

RELEVANT EXPERTISE AND EXPERIENCE

- Project and idea evaluation through technology analysis and comparisons incl. economic evaluation (techno-economic analysis)
- Technology Landscapes for licensable or new processes, process and licensor identification
- Industrial chemistry and processes
- Co-founder and coordinator of the Bioplatfrom CoP (Community of Practice), inputs on technologies and economics of production of bio-derived chemicals, facilitator at quarterly meetings (at Sasol Technology)
- Multi-criteria analysis
- Developing and lecturing a 40h course titled Industrial Chemistry in the 21st Century
- Editor for the South African Journal of Chemistry (2000 – 2006)

RELEVANT SKILLS AND APTITUDES

- Strong analytical and scientific mind, attention to detail
 - Creativity in idea generation and framing
 - Contextualization and simplification of complex data and environments
 - Techno-economic modelling (Microsoft Excel)
 - Information sourcing and analysis
 - Team player
 - Integrity, honesty, customer-focus, solution-oriented
 - Passionate about making a difference
 - Languages: German, English
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List of Publications

1. R. Brüll, W. H. Meyer, H. G. Raubenheimer, Nickel – Not Evil But Catalytically Friendly: Olefin Oligomerisation with Nickel Complexes, *S. Afr. J. Chem.*, **1998**, 51(2), 73-78
2. W. H. Meyer, R. Brüll, H. G. Raubenheimer, C. Thompson, G. J. Kruger, Thioethercarboxylates in Palladium Chemistry: First Proof of Hemilabile Properties of S-O Ligands, *J. Organomet. Chem.*, **1998**, 553(1-2), 83-90.
3. G. J. Kruger, C. Thompson, W. H. Meyer, R. Brüll, H. G. Raubenheimer, Trans-(2-methylthiobenzoato)phenylbis(triphenylphosphine)palladium(II), Two Conformational Isomers, *Acta Cryst.*, **2000**, C56, 329-331.
4. C. Thompson, G. J. Kruger, W. H. Meyer, R. Brüll, H. G. Raubenheimer, [2-(Isopropylthio)benzoato-O,S](triphenylphosphine)palladium(II) tetrahydrofuran solvate, *Acta Cryst.*, **2000**, C56, 332-333.
5. W. H. Meyer, M. Deetlefs, M. Pohlmann, R. Scholz, M. W. Esterhuysen, G. R. Julius, H. G. Raubenheimer, Preparation and Characterisation of Palladium, Platinum and Manganese Di(organo)carbine Complexes from Quinolinone and Quinolinium Precursors, *J. Chem. Soc. Dalton Trans.*, **2004**, 413-420.
6. G. S. Forman, A. E. McConnell, M. J. Hanton, A. M. Z. Slawin, R. P. Tooze, W. Janse van Rensburg, W. H. Meyer, C. Dwyer, M. M. Kirk, D. W. Serfontein, A Stable Ruthenium Catalyst for Productive Olefin Metathesis, *Organometallics*, **2004**, 23(21), 4824-4827.
7. W. Janse van Rensburg, P. J. Steynberg, W. H. Meyer, M. M. Kirk, G. S. Forman, DFT Prediction and Experimental Observation of Substrate-Induced Catalyst Decomposition in Ruthenium-Catalyzed Olefin Metathesis, *J. Am. Chem. Soc.*, **2004**, 126(44), 14332-14333.
8. G. S. Forman, A. E. McConnell, R. P. Tooze, W. Janse van Rensburg, W. H. Meyer, M. M. Kirk, C. L. Dwyer, D. W. Serfontein, A Convenient System for Improving the Efficiency of First-Generation Ruthenium Olefin Metathesis Catalysts, *Organometallics*, **2005**, 24(19), 4528-4542.
9. W. H. Meyer, A. E. McConnell, G. S. Forman, C. L. Dwyer, M. M. Kirk, E. L. Ngidi, A. Blignaut, D. Saku, A. M. Z. Slawin, Tin and Iron Halogenides as Additives in Ruthenium-Catalyzed Olefin Metathesis, *Inorg. Chim. Acta*, **2006**, 359(9), 2910-2917.
10. C. L. Dwyer, M. M. Kirk, W. H. Meyer, W. Janse van Rensburg, G. S. Forman, Rotational Isomerism of a Phoban-Derived First-Generation Grubbs Catalyst, *Organometallics*, **2006**, 25(16), 3806-3812.
11. W. Janse van Rensburg, P. J. Steynberg, M. M. Kirk, W. H. Meyer, G. S. Forman, Mechanistic Comparison of Ruthenium Olefin Metathesis Catalysts: DFT Insight into Relative Reactivity and Decomposition Behavior, *J. Organomet. Chem.*, **2006**, 691(24-25), 5312-5325.
12. W. H. Meyer, R. J. Bowen, D. G. Billing, Tri(3-pyridyl)phosphine as Amphiphilic Ligand in the Rhodium-catalysed Hydroformylation of 1-Hexene, *Z. Naturforsch.*, **2007**, 62b(3), 339-345.
13. W. H. Meyer, M. M. D. Radebe, D. W. Serfontein, U. Ramdhani, M. du Toit, C. P. Nicolaidis, Homogeneous Metathesis for the Production of Propene from Butene, *Appl. Catal. A: General*, **2008**, 340, 236-241.
14. F. Boeda, H. Clavier, M. Jordaan, W. H. Meyer, S. P. Nolan, Phosphabicyclononane-containing Ru Complexes: Efficient Pre-catalysts for Olefin Metathesis Reactions, *J. Org. Chem.*, **2008**, 73(1), 259-263.