

List of Selected Publications & Presentations by Partners of O'Connor & Company:

Goralski, C., R. P. O'Connor, and L. Schmidt, "Modeling Homogeneous and Heterogeneous Chemistry in the Production of Syngas from Methane," *Chemical Engineering Science*, 55 (2000), 1357–1370.

O'Connor, R. P. and L. D. Schmidt, "Catalytic Partial Oxidation of Cyclohexane in a Single-Gauze Reactor," *Journal of Catalysis*, 191, 1 (2000), 245–256.

O'Connor, R. P., E. J. Klein, and L. D. Schmidt, "High Yields of Synthesis Gas from Millisecond Partial Oxidation of Higher Hydrocarbons," *Catalysis Letters*, 70 (2000), 99–107.

O'Connor, R. P., "Higher Hydrocarbons to Chemicals in Millisecond Reactors," *Ph.D. Thesis*, University of Minnesota (2001).

O'Connor, A., "Influence of Coating Method on the Structure and Properties of Pressure-Sensitive Adhesives," Adhesive and Sealant Council Twin Cities Spring Meeting, invited speaker (2001).

O'Connor, R. P., O. Deutschmann, and L. D. Schmidt, "Simulating Cyclohexane Millisecond Oxidation: Coupled Chemistry and Fluid Dynamics," *AIChE Journal*, 48, 6 (2002), 1241–1256.

O'Connor, A. and C. Macosko, "Melt versus Solvent Coating: Structure and Properties of Block-Copolymer-Based Pressure-Sensitive Adhesives," *Journal of Applied Polymer Science*, 86 (2002), 3355–3367.

O'Connor, A., "The Influence of the Coating Process on the Structure and Properties of Block-Copolymer-Based Pressure-Sensitive Adhesives," *Ph.D. Thesis*, University of Minnesota (2002).

O'Connor, R. P., E. J. Klein, D. Henning, and L. D. Schmidt, "Tuning Millisecond Chemical Reactors for the Catalytic Partial Oxidation of Cyclohexane," *Applied Catalysis, A: General* (2003), 238(1), 29–40.

Gruber, P., D. Glassner, R. Wooley, and R. P. O'Connor (speaker), "Cargill Dow's Biorefinery Technology for the Sustainable Production of Polylactide and Other Chemicals," AIChE Upper Midwest 2003 Symposium.

Vink, E., K. Rabago, R. P. O'Connor, J. Kolstad, and P. Gruber, "The Sustainability of NatureWorks™ Polylactide Polymers and Ingeo™ Polylactide Fibers: an Update of the Future," *Macromolecular Biosciences* 4 (2004), 551–564.

O'Connor, A. and N. Willenbacher, "The Effect of Molecular Weight and Temperature on Tack Properties of Model Polyisobutylenes," *International Journal of Adhesion and Adhesives*, 24 (2004), 335–346.

Cairncross, R. A., J. G. Becker, S. Ramaswamy, and R. P. O'Connor, "Moisture Sorption, Transport, and Hydrolytic Degradation of Polylactide," 27th Symposium on Biotechnology for Fuels & Chemicals (2005).

O'Connor, R. P., "R&D and IP Strategies for the Chemical Industry," AIChE Upper Midwest 2005 Symposium.

O'Connor, R. P., "The Age of the Biorefinery," University of Minnesota Department of Bio-based Products, invited lecture (2005).

O'Connor, A. and T. Kingston, "Silyl-Terminated Polyurethanes for Construction Sealants," *Durability of Building and Construction Sealants and Adhesives, ASTM STP 1453*, A. T. Wolf, Ed., ASTM International (2005).

O'Connor, R.P., "Patent Strategies for Biorefinery Technologies," *Industrial Biotechnology*, 2, 2 (June 2006), 110–112.

O'Connor, R.P. *et al.*, "Process for Fractionating Lignocellulosic Biomass into Liquid and Solid Products," international Patent App. No. PCT/US2006/044262 (2006).

Vink, E., Glassner, D., Kolstad, J., Wooley, R., and O'Connor, R., "The Ecoprofiles for Current and Near-Future NatureWorks® Polylactide (PLA) Production," *Industrial Biotechnology*, 3, 1, 58–81 (2007).

O'Connor, R.P., "Clean Technology and Intellectual Property," GLG Clean Tech Summit, San Francisco, CA, invited seminar (2008).

O'Connor, R.P., *PatentQuarters*, newsletter of O'Connor & Company, published quarterly (2006–2010).

O'Connor, R.P., "Intellectual Property & Chemical Engineering," University of Minnesota Chemical Engineering and Materials Science Department, Minneapolis, MN, invited lecture (2011).