

**Prof. Jochen A. Lauterbach**  
**Department of Chemical Engineering**  
**University of South Carolina**  
**541 Main Street, Columbia, SC 29208**  
**(803) 381 6193**  
**lauteraj@cec.sc.edu**

### **Education**

- University of Bayreuth, Bayreuth, Germany, Physics, 5 year Diploma, 1992.
- Free University of Berlin and Fritz-Haber-Institute, Berlin, Germany, Chemistry, Dr. rer.nat., 1994.
- University of California, Santa Barbara, CA, Post-Doc, Chemical Engineering, 1994-1996.

### **Professional Experience**

- Visiting Professor, ICAT, Hokkaido University, Japan, 2017.
- Professor and Smartstate Endowed Chair, Department of Chemical Engineering, University of South Carolina, 2010 – present.
- Director, South Carolina Smartstate Center for Strategic Approaches to the Generation of Electricity, 2010 – present.
- Visiting Professor, Department of Physics, Dalhousie University, Canada, 2008.
- Professor, Department of Chemical Engineering, University of Delaware, 2006 – 2010.
- Associate Professor, Department of Chemical Engineering, University of Delaware, 2002 – 2006.
- Associate Director, Center for Catalytic Science and Technology, University of Delaware, 2002 – 2010.
- Associate Professor, School of Chemical Engineering, Purdue University, 2000 – 2002.
- Assistant Professor, School of Chemical Engineering, Purdue University, 1996 – 2000.
- Postdoctoral Research Associate, Department of Chemical Engineering, University of California, Santa Barbara, 1994 – 1996.
- Graduate Research Assistant, Department of Physical Chemistry, Fritz-Haber-Institut, Berlin, Germany, 1992 – 1994.

### **Published Work**

#### **A. Jochen Lauterbach**

#### **Published & Submitted Work (peer reviewed)**

*(as of 12/11/18: h-index: 36; i10-index: 77; total citations: 4139; information retrieved from Google Scholar)*

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3. J. Lauterbach, G. Haas, H.H. Rotermund and G. Ertl, "Spatio-temporal pattern formation on polycrystalline platinum surfaces during catalytic CO oxidation", Surface Science 294; 116-130, 1993.
4. H.H. Rotermund, J. Lauterbach and G. Haas, "The formation of subsurface oxygen on Pt(100)", Applied Physics A 57(6); 507-511, 1993.
5. J. Lauterbach and H.H. Rotermund, "Spatio-temporal pattern formation during the catalytic CO-oxidation on Pt(100)", Surface Science 311; 231-246, 1994.
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7. M.D. Graham, I.G. Kevrekidis, K. Asakura, J. Lauterbach, K. Krischer, H.H. Rotermund and G. Ertl, "Effects of boundaries on pattern formation: catalytic oxidation of CO on platinum", Science 264; 80-82, 1994.
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9. V. Gorodetskii, J. Lauterbach, H.H. Rotermund and G. Ertl, "Coupling between adjacent crystal planes in heterogeneous catalysis by propagating reaction-diffusion waves", Nature 370; 276-279, 1994.
10. K. Asakura, J. Lauterbach, H.H. Rotermund and G. Ertl, "Modification of spatio-temporal pattern formation in an excitable medium by continuous variation of its intrinsic parameters: CO oxidation on Pt(110)", Physical Review B 50; 8043-8046, 1994.
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12. M.D. Graham, M. Bär, I.G. Kevrekidis, K. Asakura, J. Lauterbach, H.H. Rotermund, and G. Ertl, "Catalysis on micro-structured surfaces: Pattern formation during CO oxidation in complex Pt domains", Physical Review E 52; 76-93, 1995.
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