

# Martin Weidner

## UNIVERSITY OF SOUTHERN CALIFORNIA

### CONTACT INFORMATION

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### PERSONAL INFORMATION

Date of Birth: May 6, 1980  
Citizenship: German

### EDUCATION

since Aug. 2006    PhD student in Economics, University of Southern California.  
Dec. 2006         PhD in Physics, University of Hamburg,  
                              thesis title: *Gauged Supergravities in Various Spacetime Dimensions*.  
Nov. 2003         Diploma in Physics, with distinction, University of Würzburg.  
Sept. 2000         Pre-diploma in Physics, University of Jena.  
July 1998         High school diploma (“Abitur”).

### RESEARCH FIELDS

Theoretical and Applied Econometrics, in particular Panel Data and Factor Models.

### TEACHING EXPERIENCE

2007 – 2008    Teaching Assistant at USC for graduate level classes: “Practice of Econometrics”, “Econometric Methods”, “Probability and Statistics for Economists” “Economics of Financial Markets I”, “Economic and Financial Time Series II”; undergraduate level classes: “Principles of Macroeconomics”.  
2005/06         Teaching Assistant at the University of Hamburg for “Thermodynamics and Statistics”.  
2003             Teaching Assistant at the University of Würzburg for “Theoretical Mechanics”.

### RESEARCH EXPERIENCE

Spring Semester 2009    Research Assistant for John Ham, USC.  
June-Aug. 2007         Research Internship in Computational Economics at Argonne National Laboratory, supervised by Sven Leyffer and Kenneth Judd.

### HONOURS AND AWARDS

2009             “Best 3rd Year Paper Award” from the Economics PhD Program at USC  
2009             “Conference Travel Award” from the USC College  
2006 – 2011    “College Graduate Merit Award” from the University of Southern California (including 2 years of fellowship)  
2003 – 2006    Three Year Research Fellowship from the Physics Graduate School “Future Developments in Particle Physics” at the University of Hamburg and DESY (sponsored by the German Research Foundation DFG)

## **CONFERENCE PRESENTATIONS**

- July 2009      15th International Conference on Panel Data, University of Bonn, presenting *Inference on Panel Regression Models with Unknown Number of Factors* (paper with Hyungsik Roger Moon)
- June 2009      Cowles Summer Conference “Handling Dependence: Temporal, Cross-sectional, and Spatial”, Yale University, presenting *Inference on Panel Regression Models with Unknown Number of Factors* (paper with Hyungsik Roger Moon)
- June 2009      North American Summer Meeting of the Econometric Society, Boston University, presenting *Likelihood Expansion for Panel Regression Models with Factors* (paper with Hyungsik Roger Moon).
- July 2008      Far Eastern Meeting of the Econometric Society, Singapore Management University, presenting *Asymptotic Analysis of the Quasi-MLE of Panel Regression Models with Interactive Fixed Effects* (paper with Hyungsik Roger Moon).

## **WORKING PAPERS IN ECONOMICS**

*Likelihood Expansion for Panel Regression Models with Factors*,  
with Hyungsik Roger Moon, May 2009, available at <http://www-scf.usc.edu/~mweidner/>.

## **PUBLICATIONS IN PHYSICS**

*Gauging Hidden Symmetries in Two Dimensions*, with Henning Samtleben,  
published in JHEP 0708:076, 2007, <http://arxiv.org/abs/0705.2606>.

*Gauged Supergravities in Various Spacetime Dimensions* (PhD thesis),  
published in Prog. of Phys. 55:843-945, 2007, <http://arxiv.org/abs/hep-th/0702084>.

*Gauged  $N=4$  Supergravities*, with Jonas Schön,  
published in JHEP 0605:034, 2006, <http://arxiv.org/abs/hep-th/0602024>.

*The Maximal  $D = 7$  Supergravities*, with Henning Samtleben,  
published in Nucl. Phys. B 725:383-419, 2005, <http://arxiv.org/abs/hep-th/0506237>.

## **SCHOOLS AND WORKSHOPS**

- Aug. 2008      Applied Microeconometrics Workshop, University of Wisconsin–Madison.
- Aug. 2007      Institute on Computational Economics, University of Chicago.
- 2002 – 2005      Various physics schools and workshops, e.g. Summer student at the “European Organization For Nuclear Research” in Geneva (Switzerland, July-Sept. 2002), National Summer School for Graduate Students Saalburg (Germany, Sept. 2003), Spring School on Superstring Theory and Related Topics, ICTP Trieste (Italy, March 2004&2005).