

C3.6 (G. Schön / F. Pauly)

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Invited Talks at International Conferences

- J.C. Cuevas, *Ab initio description of the transport in single-molecule junctions*, "6th Rencontres du Vietnam: Nanophysics: from fundamentals to applications", Hanoi, Vietnam, August 6-12, 2006
- J.C. Cuevas, *Electron transport in single-molecule junctions*, Conference on "Trends in Nanotechnology (TNT 2007)", San Sebastian, Spain, September 3-7, 2007
- J.C. Cuevas, *Theory of single-molecule conductance*, DPG Physics School 2007 on "Charge Transport in Organic Materials: From Single Molecules to Devices", Bad Honnef, September 23-28, 2007
- W. Wenzel, *DNA conductivity: most recent theoretical results*, 3rd Internat.Symp.on Complex Materials, Kerkrade, NL, March 18-21, 2007
- W. Wenzel, *Nanoscale simulation of electronic transport: from OLED to DNA*, China-German Joint Symposium on Nanotechnology Beijing, China, June 2, 2007
- W. Wenzel, *Conquering the time scale problem in biophysics and materials science*, 4th WSEAS Intl. Conference on Mathematical Biology and Ecology, Acapulco, Mexico, January 25-27, 2008
- F. Pauly, *Ab initio description of electronic transport in single-molecule junctions*, Summer School of the Marie Curie RTN BIMORE, San Benedetto del Tronto, Italy, May 27, 2007
- F. Pauly, *Controlling transport properties by molecular structure and light*, Cecam Workshop "Theoretical Modeling of Transport in Nanostructures", Lausanne, Switzerland, June 3, 2009
- F. Pauly, *Control of transport properties by molecular structure*, Cecam Workshop "Quantum Transport on the Molecular Scale", Bremen, Germany, September 15, 2009
- F. Pauly, *Theoretical studies of charge transport through molecular and metallic atomic wires*, ITN Meeting on "Nanoelectronics - Concepts, Theory and Modeling", Jacobs University Bremen, Germany, May 17- 21, 2010
- F. Pauly, *Determination of the field enhancement in plasmonic nanogaps and influence of conjugation on transport through organic molecules*, Fundamentals of Molecular Electronic Assemblies (FUNMOLS) Meeting, Malvern, United Kingdom, September 13-15, 2010
- F. Hüser, *Control of Transport through organic molecules by substituents and determination of the field enhancement in plasmonic nanogaps*, Nano-CTM Annual Network Meeting, Malvern, United Kingdom, September 16-17, 2010

F. Pauly, *Mechanical and transport properties of metallic atomic-size contacts*, Conference on Molecular Simulations in Biosystems and Material Science, Konstanz, Germany, October 1, 2011

F. Pauly, *Thermoelectric properties of molecular and metallic nanocontacts*, Cecam Workshop "Quantum transport in molecular nanostructures", Dublin, Ireland, May 22, 2012