



International Workshop on  
**Quantum Noise and Measurement in  
Engineered Electronic Systems**

8 – 12 October 2012

*Scientific coordination:*

**Wolfgang Belzig**  
Universität Konstanz  
Germany

**Michel Devoret**  
Yale University  
USA

**Yuli V. Nazarov**  
TU Delft  
The Netherlands

*Organisation:*  
**Katrin Lantsch**

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The aim to manipulate, control, and measure electronic devices at the single quantum level has shaped the last decade in mesoscopic physics. The measurement procedure itself, as well as the effect of a dissipative environment, are intrinsically quantum in these systems, which poses a challenge to experimentalists as well as theorists. These problems are common for the full counting statistics of electrons passing in a nanodevice, fluctuations and amplification in quantum-limited complex circuits, and the next-generation qubit schemes. The workshop strives to achieve the synergy of these research fields at the level of theory and experiment.

**The list of invited speakers includes:**

**T. Brandes** (Berlin, Germany)  
**M. Büttiker** (Geneva, Switzerland)  
**A. Clerk** (Montreal, Canada)  
**L. DiCarlo** (Delft, The Netherlands)  
**K. Ensslin** (Zürich, Switzerland)  
**D. Esteve** (Gif-sur-Yvette, France)  
**Y. Gefen** (Rehovot, Israel)  
**S. Girvin** (New Haven, USA)  
**D.C. Glattli** (Gif-sur-Yvette, France)  
**M. Heiblum** (Rehovot, Israel)  
**T. Kippenberg** (Lausanne, Switzerland)  
**J. König** (Duisburg, Germany)  
**T. Kontos** (Paris, France)  
**G.B. Lesovik** (Moscow, Russia)

**L. Levitov** (Cambridge, USA)  
**F. Marquardt** (Erlangen, Germany)  
**T. Martin** (Marseille, France)  
**K. Mølmer** (Aarhus, Denmark)  
**J. Pekola** (Aalto, Finland)  
**B. Reulet** (Sherbrooke, Canada)  
**R. Schoelkopf** (New Haven, USA)  
**G. Schön** (Karlsruhe, Germany)  
**C. Schönenberger** (Basel, Switzerland)  
**I. Siddiqi** (Berkeley, USA)  
**J. van Ruitenbeek** (Leiden, The Netherlands)  
**F. von Oppen** (Berlin, Germany)  
**A. Wallraff** (Zürich, Switzerland)

**Applications** for participation and poster contributions are welcome and should be submitted by using the application form on the workshop's web page (please see URL below). The number of attendees is limited. The **registration fee** for the workshop is **120 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

**Applications received before 31 July 2012 are considered preferentially.**

**For further information please contact:**

Visitors Program - Katrin Lantsch  
Max-Planck-Institut für Physik komplexer Systeme,  
Nöthnitzer Str. 38, 01187 Dresden, Germany  
Tel.: +49-351-871-2107 / Fax: +49-351-871-2199  
qnm12@pks.mpg.de  
<http://www.pks.mpg.de/~qnm12/>

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