

# Call for papers Topical issue

## Hybrid Quantum Systems – New Perspectives on Quantum State Control

Edited by S. Wimberger

Hybrid quantum systems provide unique possibilities for studying novel quantum effects at the interface between distinct forms of matter, such as ultracold quantum gases, electronic nanostructures and micromechanical components. This issue will act as a reference point for future research, describing the state-of-the-art of hybrid quantum systems and defining perspectives for future developments of such devices. The purpose of this issue is to collect original contributions from all experts in the field, particularly – but not exclusively – from the participants of the Ruperto-Carola-Symposium on “Hybrid Quantum Systems” taking place in Heidelberg from 12 to 15 May 2010 (conference website: <http://www.thphys.uni-heidelberg.de/~paul/Hybrid.html>).

Deadline for submission: **30 September 2010.**

Publication expected: **mid of 2011.**

### Guest Editor:

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**Web submission** is encouraged via

<https://articlestatus.edpsciences.org/is/epjd/> .

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