

**DPG - spring meeting of the Division Condensed Matter**  
**EPS - 21st General Conference of the Condensed Matter Division**  
**March 27<sup>th</sup> - 31<sup>st</sup> 2006, Dresden, Germany**

**Symposium “Magnetic Switching” (SYMS)**  
**arranged by the divisions MA, TT, DS**

**Organisation:** Ulrich Eckern ( eckern@physik.uni-augsburg.de )  
Günter Dumpich ( dumpich@agfarle.uni-duisburg.de )

**Day/Time: Monday, 27 March 2006; 15:00 h – ca. 19 h**  
**Lecture Hall: HSZ 04**

**Programme** (as of 6 Dec 2005)

**15:00-15:45**

**Albert Fert**

Unité Mixte de Physique CNRS-THALES, Domaine de Corbeville, 91404 Orsay, France

<http://www2.cnrs.fr/en/338.htm> / <http://www.trt.thalesgroup.com/ump-cnrs-thales/umr137.html>

albert.fert@thalesgroup.com

Title: **Manipulation of magnetization by spin transfer: switching, microwave generation**

**15:45-15:15**

**Daniel E. Bürgler et al.**

FZ Jülich, Institut für Festkörperforschung, 52425 Jülich

[http://www.fz-juelich.de/iff/staff/Buergler\\_D/](http://www.fz-juelich.de/iff/staff/Buergler_D/)

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Title: **Spin-torque effects in single-crystalline Fe nanomagnets and nanopillars**

**16:15-16:45**

**Jozef Barnas et al.**

Institute of Physics, A. Mickiewicz University, Umultowska 85, 61-614 Poznan, Poland

<http://spin.amu.edu.pl/~mezo/>

barnas@amu.edu.pl

Title: **Current-induced spin-transfer torque and spin dynamics in spin-valve structures**

16:45-17:00 Break

**17:00-17:20**

**Peter Schwab et al.**

Institut für Physik, Universität Augsburg, 86135 Augsburg, Germany

peter.schwab@physik.uni-augsburg.de

<http://www.physik.uni-augsburg.de/theo2/>

Title: **Spin-Hall effect in a two-dimensional electron system**

**17:20-17:50**

**Russell P. Cowburn**

Department of Physics, Imperial College, Prince Consort Road, London SW7 2BW, United Kingdom

<http://www.imperial.ac.uk/research/exss/>

r.cowburn@imperial.ac.uk

Title: **Submicrometer ferromagnetic logic gates**

**17:50-18:20**

**Jacques Miltat et al.**

Laboratoire de Physique des Solides, Université Paris-Sud, Bât. 510, 91405 Orsay, France

[http://www.lps.u-psud.fr/Collectif/gr\\_25/](http://www.lps.u-psud.fr/Collectif/gr_25/)

miltat@lps.u-psud.fr

Title: **Spin torque: wall dynamics in nanowires vs. switching in nanopillars**

**18:20-18:50**

**Mathias Kläui et al.**

Fachbereich Physik, Universität Konstanz, Universitätsstr. 10, 78457 Konstanz

<http://wildsau.physik.uni-konstanz.de/Home/Dr.Mathias%20Klaeui.htm>

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Title: **Interactions between domain walls and spin currents**