

## MAGNETIC SWITCHING (SYMS)

Jointly organized by  
Magnetism (MA)  
Low Temperature Physics (TT)  
Thin Films (DS)

Prof. Dr. G. Dumpich  
Fachbereich Physik  
Universität Duisburg-Essen  
47048 Duisburg  
dumpich@agfarle.uni-duisburg.de

Prof. Dr. U. Eckern  
Institut für Physik  
Universität Augsburg  
86135 Augsburg  
eckern@physik.uni-augsburg.de

## OVERVIEW OF INVITED TALKS AND SESSIONS

(lecture room HSZ 04)

## Invited Talks

SYMS 1.1	Mon	15:00	(HSZ 04)	<b>Manipulation of magnetization by spin transfer: switching, microwave generation</b> , <u>Albert Fert</u> , O. Boulle, V. Cros, M. Elsen, J. Grollier, A. Hamzic, H. Jaffrés, M. AlHajDarwish, J. Bass, H. Kurt, W. P. Pratt, J. Barnas, I. Gimtra, I. Weymann, R. Giraud, G. Faini, A. Lamaitre
SYMS 1.2	Mon	15:45	(HSZ 04)	<b>Spin-torque effects in single-crystalline Fe nanomagnets and nanopillars</b> , <u>Daniel E. Bürgler</u> , Henning Dassow, Ronald Lehndorff, Matthias Buchmeier, Peter A. Grünberg, <u>Claus M. Schneider</u>
SYMS 1.3	Mon	16:15	(HSZ 04)	<b>Current-induced spin-transfer torque and spin dynamics in spin-valve structures</b> , <u>Jozef Barnas</u> , Martin Gmitra, Vitaly Dugaev, Albert Fert
SYMS 2.1	Mon	17:00	(HSZ 04)	<b>Spin-Hall effect in a two-dimensional electron system</b> , <u>Peter Schwab</u> , Michael Dzierzawa, Roberto Raimondi, Cosimo Gorini
SYMS 2.2	Mon	17:20	(HSZ 04)	<b>Submicrometer ferromagnetic logic gates</b> , <u>Russell Cowburn</u>
SYMS 2.3	Mon	17:50	(HSZ 04)	<b>Spin torque: wall dynamics in nanowires vs. switching in nanopillars</b> , <u>Jacques Miltat</u> , André Thiaville
SYMS 2.4	Mon	18:20	(HSZ 04)	<b>Interactions between domain walls and spin currents</b> , <u>M. Klaeui</u> , M. Laufenberg, D. Backes, P.-O. Jubert, R. Allenspach, A. Bischof, L. Vila, C. Vouille, G. Faini, U. Ruediger

## Sessions

SYMS 1	<b>Magnetic Switching I</b>	Mon 15:00–16:45	HSZ 04	SYMS 1.1–1.3
SYMS 2	<b>Magnetic Switching II</b>	Mon 17:00–18:50	HSZ 04	SYMS 2.1–2.4