

Proceedings of the International Workshop
on Smoothing and Characterization
of Magnetic Films for Advanced Devices
Kraków, Poland, July 4–6, 2007

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Preface

The Workshop on Smoothing and Characterization of Magnetic Films for Advanced Devices was organized in Kraków, Poland, by the Faculty of Physics and Computer Science at the AGH — University of Science and Technology. The meeting as a part of 6FP “Ultrasmooth” network aimed for disseminating among the large scientific community the knowledge of state of the art in smoothing and characterization techniques for magnetic films in advanced devices. In total over 60 colleagues from 11 countries participated in the workshop. There were 7 invited talks and 50 contributed, both oral and poster presentations.

This issue of *Acta Physica Polonica A* is a collection of publications from a selected invited talks and contributed papers presented during the workshop.

The financial support of the European Unions Marie Curie actions (Research Training Networks) ULTRASMMOOTH under contract MRTN-CT-2003-504462 is kindly acknowledged.

Tomasz Ślęzak
(*Editor of the Proceedings*)

Invited papers presented during workshop

1. Józef Barnaś, Poznań, Poland — *Spin dependent phenomena in magneto-electronic devices.*
2. Russell Cowburn, London, UK — *Nanomagnetic logic devices.*
3. Thibaut Devillers, Grenoble, France — *Structural and magnetic properties of self-assembled $Ge_{1-x}Mn_x$ nanocolumns.*
4. Tomasz Dietl, Warsaw, Poland — *Ferromagnetic semiconductors as spintronics materials.*
5. Jaroslav Fabian, Regensburg, Germany — *Semiconductor spintronics device schemes.*
6. Paola Luches, Modena, Italy — *Arrays of metal nanostructures produced by focused ion beam.*
7. Katharina Theis-Bröhl, Bochum, Germany — *Preparation of magnetic films and nanostructures.*