

International Workshop on MAGNETIC WIRES
in Nurol Cultural Centre, OASIS, Bodrum Turkey
08 - 09. July 2010

IWMW 2010



<http://www.iwmw.org>, <http://iwmw.uludag.edu.tr>

Organized by the

Uludag University, Department of Physics, Gorukle, Bursa, Turkey

Second Call for Papers

Thin magnetic wires have been available for more than two decades. During this time, the unique properties of these materials have led to many applications, especially in the field of sensors and electronic devices. Recognising the importance of these materials for science and technology, five international workshops were organised over the past years, namely: London 1990, Albuquerque, New Mexico 1994, Nagoya (Japan) 1999, San-Sebastian, Spain 2001 and Basque Country, Spain 2008. Wide topics have been addressed from technological problems of micro and nano wire fabrication, to advanced physical effects and novel applications.

The organisation of this meeting is based on the continuing interest of many research and technology groups in these materials. The aim of the International Workshop on Magnetic Wires (IWMW-2010) is intended to be a forum for presentations and discussions of the most recent advancements in the fields of magnetic thin and nano wires. Continuing the tradition of the previous Workshops, IWMW has a strong interdisciplinary character. The aim is to bring together scientists with a wide range of backgrounds and interests (physicists, mathematicians and engineers) to exchange ideas, methods and results. Although special emphasis will be placed on magnetic thin wires, there will be talks in the program focusing on the universal aspects of its industrial applications. The scientific program of the 2-day Workshop will consist of several talks by keynote speakers and many contributed talks.

Topics of the Workshop

- Magneto-transport effects in thin wires (Giant magneto-impedance, Giant Magnetoresistance)
- Tailoring magnetic anisotropy
- Magnetization process of thin wires
- Applications (high performance sensors, electromagnetic shielding)
- High-frequency properties of thin wires
- Sensory metamaterials (based on continuous and short wires)
- Magnetic nanowires

Abstract Book

The language of the Workshop is English. Authors are invited to send a one page, short contribution to the Abstract Book. The accepted papers will be presented in oral and poster sessions at the Workshop.

Full Publication

The full version of the papers, after review, will be published in the *Physica Status Solidi*.

Important Dates

Submission of Abstracts, March 28, 2010.

Notification of acceptance, April 15, 2010.

Early registration, May 01, 2010.

Submission of full papers, July 09, 2010.

Workshop, 8-9 July 2010.

Venue: Nuro Cultural Centre, OASIS, Bodrum Turkey.

Accommodation: It is strongly advised that you make an early booking (before May 2010) in one of the hotels in the conference web page as the area is a touristic location. Announcement on social programme will be made on the website

IWMW 2010 Registration Fee

- Until 1st of May 180€ for delegates, 100€ for students
50€ workshop reception per person
- After 1st of May 210€ for delegates, 115€ for students
50€ workshop reception per person

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- Garanti Bankasi, Uludag University Branch
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