

From the Coordinator of the national Scientific Network MAG-EL-MAT

The scientific network “New Materials for Magnetoelectronics – MAG-EL-MAT”, which was founded at the beginning of 2003, currently gathers over 50 very active research groups, which means about 300 scientists from the Polish universities and other scientific institutions (mostly from the Polish Academy of Sciences). The general theoretical and experimental goal of the network is to investigate electronic and magnetic properties of new materials exhibiting properties useful for the creation of new magnetoelectronic devices.

The first MAG-EL-MAT Meeting, held in Będlewo between 26 and 28 October 2003, and the second Meeting held on 13–16 April 2004, ended without collecting papers summarising the presentations given by their participants.

After the third Meeting on 2–6 May 2005, the organizers and the MAG-EL-MAT Coordinating Committee decided to publish in a regular journal the papers presented at the meeting. Fifty papers, after a regular refereeing procedure, were published on 336 pages of a special issue of *Materials Science-Poland*^{*}, edited by Tadeusz Luciński and Stanisław Lipiński.

The fourth Meeting took place on 3–6 May 2006, in the form of a series of small seminars (four special sessions) and a plenary session with lectures delivered by J. Kossut and J. Dubowik. The topics selected for the fourth MAG-EL-MAT Meeting were: biomagnetism and medical physics, strongly correlated electrons in spintronics, modern electronics and nanotechnology. There were 104 participants, who delivered 32 oral contributions and presented 58 posters.

I asked again S. Lipiński and T. Luciński to act as Guest Editors of this special issue of *Materials Science-Poland*. I express my gratitude to both of them and to all participants and referees for the energy and effort they have put into making these proceedings successful.

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Participants of the Meeting of the Members of Scientific Network New Materials for Magnetoelectronics, MAG-EL-MAT, Będlewo, 3–6 May 2006

