

FOREWORD

Our Symposia of Physicists at the University of Maribor, or shortly Christmas Symposia, already have a tradition, as this year it is already the 11th one. The purpose is the scientific socializing of Slovenian physicists along with the participation of some distinguished colleagues from abroad as our honorary guests. The Symposium in 2005 has already grown large by exceeding the regional boundaries and became a national meeting. This year we have eight invited speakers from abroad, from some best research groups, so that our meetings remain international. (The 9th Symposium 2010 was predominantly international, as it was dedicated to Professor Siegfried Grossmann on occasion of his 80th birthday.) The meeting is only one of the many activities of CAMTP, Center for Applied Mathematics and Theoretical Physics of the University of Maribor, which organizes six series of international scientific meetings. See www.camtp.uni-mb.si

We would like to stress that our meeting is devoted to the entire physics, theoretical and experimental, and also applied mathematics and to all other topics, for which physics is important, or they are important for physics.

All lectures are on the level of colloquia, thus understandable for a general physicist, and therefore particularly well suited for students, the undergraduate and graduate students. Such general meetings in the field of physics practically no longer exist in the world, although to our opinion they are important for the widening of the intellectual horizon of all physicists. Our colleagues from abroad, the participants so far, confirm our view and appreciate our scientific programme. The meeting is also an opportunity for the young researchers to present their work and discuss it with the experienced scientists. With this activity we also contribute to the promotion and the popularization of physics in our society. We are convinced that it is quite urgent to care about the more intense popularization of natural sciences in our society, and physics plays a key role in this context. All undergraduate students are welcome and can attend all the lectures of the conference free of charge. In this way we contribute to the popularization of physics and to the additional education in this field.

At the end we would like to stress that our gatherings can be an important contribution to the activities of the young and successful Faculty of natural sciences and mathematics of the University of Maribor under the leadership of the Dean Mrs. Prof. Dr. Nataša Vaupotič.

ORGANIZERS:

Prof.Dr. Marko Robnik, Director of CAMTP,
Prof.Dr. Dean Korošak, Director of RAZ:UM