

## Preface

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This issue of *Annalen der Physik* is devoted to the papers presented at the 13th International Conference on Transport in Interacting and Disordered Systems (TIDS13) held on 2–5 September 2009 in Ráckeve, Hungary. This time the conference was combined with the Annual Workshop of the International Research Training Group (IRTG) Marburg–Budapest “Electron–Electron Interaction in Solids” preceding it on 31 August–2 September 2009. The joint event was therefore named as “TIDS13 Workshop & International Conference 2009”. The co-chairman of both events was Peter Thomas (Marburg) who continuously plays a decisive role in the history of TIDS events, and of the IRTG activities.

The workshop and the conference were attended altogether by more than 90 scientists and students. Some of the invited speakers of the conference gave comprehensive tutorial talks during the workshop in the topics of “Interaction and localization”, “Transport and disorder in graphene”, and “Disorder and Bose-Einstein condensation”. These issues were supplemented by many other problems of disorder, transport and interaction, including semiconductor structures, organic systems and even such interdisciplinary problem as the transport over a cellular network. Many discussions tried to clarify current issues, new results and long lasting problems of disorder or interaction driven metal-insulator transitions, the glass transition, hopping conduction in insulators, and unusual properties of graphene. There has been a great emphasis on different forms of glasses: Bose-glass, Coulomb-glass, and electron-glass. Additionally the interplay of disorder and superconductivity, nonlinearity, and light was also analyzed. The papers presented in this proceedings show some examples of the results presented during 15 invited, 14 contributed and 21 poster lectures.

The conference itself counted 52 registered participants from 17 countries. This event follows previous meetings held in Marburg (2007), Egmond aan Zee (2005), Trieste (2003), Shefayim (2001), Murcia (1999), Ráckeve (1997), Jerusalem (1995), Glasgow (1993), Marburg (1991), Chapel Hill (1989), Bratislava (1987), and Trieste (1985). The conference was organized by the Department of Theoretical Physics, Budapest University of Technology and Economics with major financial support provided by the Deutsche Forschungsgemeinschaft through the International Research Training Group “Electron–Electron Interaction in Solids” (Marburg–Budapest) and the “Albert Aponyi Program” established by the support of the National Office for Research and Technology (NKTH) of Hungary.

The Guest Editor is highly indebted to Peter Thomas also for his help in the refereeing and editing of the papers published in these proceedings.

Imre Varga  
Chairman of TIDS13  
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