

Proceedings of the Eleventh School
on Theoretical Physics
“Symmetry and Structural Properties
of Condensed Matter”

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Preface

In this issue of the *Acta Physica Polonica A* we included original papers presented by the participants of the Eleventh School on Theoretical Physics “Symmetry and Structural Properties of Condensed Matter Physics SSPCM 2014”, which was organized by Rzeszow University of Technology in cooperation with University of Rzeszow on September 1–6, 2014 in Rzeszów (Poland). Twenty five invited lectures were presented at this School by distinguished theorists from all over the world (France, Germany, Holland, Poland, Spain, UK and USA). More information on the topics, names of the lecturers and participants can be found on the web page of the School (<http://sspcm.prz.edu>).

We also gave a chance to young scientists and graduate students taking part in the School to present and discuss results of their own research in the form of posters and short oral contributions. Reports on these short presentations are included in this issue.

The series of the SSPCM Schools on Theoretical Physics was initiated about twenty five years ago by Professor Tadeusz Lulek, who was the main organizer and Chaiman of previous ten Schools - from the first one in Zajączkowo to the Tenth School in Myczkowce (Podkarpacie region). Five previous Schools were held during the Summer time in Myczkowce, and therefore, they are also known as Myczkowce Schools. The main idea of these Schools was to present new ideas, some hot results and advances in various fields of theoretical physics, often related to applications, at the level appropriate for graduate students and young researchers starting their scientific carrier. It is well known that this is not always an easy task due to complexity of new mathematical methods and their physical interpretation. We believe the School was successful and young people enjoyed taking part in it. We also believe that this tradition will be continued in the future, and we hope that more and more young participants from Poland and abroad will attend the next SSPCM Schools.

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