

Proceedings of the 48th International School and Conference
on the Physics of Semiconductors
“Jaszowiec 2019”

Szczyrk, Poland, June 8–14 2019

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Preface

This issue of *Acta Physica Polonica A* contains 21 contributed papers presented during the 48th International School and Conference on the Physics of Semiconductors “Jaszowiec 2019”, which took place in Szczyrk on 8–14 June, 2019. The meeting was organized by:

- Institute of Physics of the Polish Academy of Sciences
- Faculty of Physics, Institutes of Experimental and Theoretical Physics, University of Warsaw
- Faculty of Fundamental Problems of Technology, Wrocław University of Science and Technology
- Institute of High Pressure Physics of the Polish Academy of Sciences
- Institute of Electron Technology
- Committee on Physics, Polish Academy of Sciences
- Polish Academy of Sciences

The Conference was attended by 255 participants from 16 countries (Australia, Belarus, Belgium, Denmark, France, Germany, Hungary, Israel, Italy, Japan, Netherlands, Poland, Russia, Switzerland, United Kingdom and United States). The scientific program consisted of 20 invited lectures and 194 contributed papers (37 oral presentations and 157 posters). The scope of the Conference covered a broad range of topics related to semiconductor physics, including experiment, theory, modeling, and technology. Particular emphasis was put on low-dimensional and layered semiconductor systems, topological matter, polariton condensate, or photonics. The Conference was preceded by the School, i.e., a two-day tutorial session addressed mainly to graduate students and young scientists. This event was attended by 141 participants. In a series of five lectures given by outstanding scientists the School provided an extensive introduction to hot topics relevant to modern semiconductor physics.

We would like to thank the members of the Program and Advisory Committees who took the responsibility for the whole scientific program of the School and the Conference, and express our gratitude to members of Organizing Committee for their excellent work. Finally, we would like to acknowledge financial support from Polish Academy of Sciences and U.S. Army International Technology Center-Atlantic, and from commercial sponsors: EDVAC, LABIS, SOLAR, TESPOL, TOPTICA, and VECTO.

Bartłomiej S. Witkowski (*Secretary*),
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