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Preface to the Proceedings of the LT28

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Preface to the Proceedings of the LT28

LT28 was held in Gothenburg, Sweden, on August 9-16, 2017, and was a great success. A total of about 900 abstracts were submitted for oral and poster presentations, including invited talks. The summary by Professors William Halperin and John Saunders, representing the International Union of Pure and Applied Physics (IUPAP), highlights some of the scientific achievements presented at the conference.

The present Proceedings of LT28 comprise 155 papers, describing some of the currently most interesting works in the field of low temperature physics, subdivided into five categories:

1. Quantum fluids and solids
2. Superconductivity
3. Cryogenic techniques and applications
4. Magnetism and quantum phase transitions
5. Quantum transport and quantum information in condensed matter

All papers published in this volume of *Journal of Physics: Conference Series* have been peer reviewed through processes administered by the Editors. Reviews were conducted by expert referees to the professional and scientific standards expected of a proceedings journal published by IOP Publishing. Most reviews resulted in one or more rounds of revision. The reviewers were specifically asked to call out any self-plagiarism in the submitted manuscripts. The ultimate acceptance rate was 90%. Parenthetically, the present editors were themselves co-authors of submitted papers: in these cases the submissions in question were exclusively handled by one of the other Editors.

We would like to thank all authors and referees who participated in the compilation of these Proceedings, and to congratulate all authors on their work.

Jonas Bylander, Tomas Löfwander, and Maciej Misiorny
Chalmers University of Technology
Editors of the Proceedings of LT28

