

XVI International Conference on Electron Microscopy

This special issue contains a collection of 12 papers presented at the XVI International Conference on Electron Microscopy held in Jachranka near Warsaw, Poland from September 10th to 13th of 2017.* The conference series on electron microscopy in Poland has a long lasting tradition. It was initiated by Professor Stanislaw Gorczyca in 1963. Currently, the conferences are organized every three years by various Polish institutions engaged in the development and application of electron microscopy in cooperation with the Polish Society for Microscopy. In 2017, the conference was organized by the Faculty of Materials Science and Engineering of Warsaw University of Technology and gathered 185 delegates.

The aim of the conference was to present the latest achievements in electron microscopy by the Polish community as well as plenary and invited speakers representing the most prestigious microscopy labs worldwide. The scientific program of the conference covered a broad spectrum of topics and contained the following sessions: analytical electron

microscopy, SEM/STEM imaging, electron crystallography and HRTEM, 3D imaging, in-situ microscopy, orientation mapping, electron microscopy in materials science, electron microscopy in chemistry and life sciences.

The papers included in the special issue focus on the microstructural characterisation of advanced materials using electron microscopy. Those materials include Ni superalloys, shape memory materials, Mg alloys, amorphous materials, nanocomposites and perovskite thin films.

Finally, I wish to thank all the authors of this special issue for contributing the high quality papers and I do hope that the readers will share our joy and find this special issue very useful.

Malgorzata Lewandowska
Warsaw University of Technology
Faculty of Materials Science and Engineering

* As a special arrangement for this issue of EM2017 conference papers, all the papers will be available as Open Access for a period of 3 months from the publication date in January 2019. The first paper in the print issue has permanent Open Access, as is standard practice for every issue of International Journal of Materials Research.