Preface

The 1st International Conference on the Sustainable Energy and Environment Development (SEED) was held in the Center of Energy at the AGH University of Science and Technology in Krakow (Poland) on May 17th – 19th, 2016.

The organizers hosted over 150 participants from 13 countries (England, Austria, Czech Republic, Iraq, Ireland, Lithuania, Germany, Norway, Poland, Republic of South Africa, Turkey and Italy) representing 23 scientific and research institutions. There were 118 excellent talks and 84 excellent posters during the 14 plenary sessions and 2 poster sessions in the areas of: energy, sustainable development, cogeneration, fuel cells, environment protection and wastes management, sustainable urban architecture, levels of pollution from transportation, possibilities to reduce the emission of exhausts from transportation, energy production with an application renewable and non-renewable energy sources and nuclear energy.

The conference was under the patronage of Ministry of Science and Higher Education of Poland, Ministry of Energy of Poland, Ministry of the Environment of Poland, National Fund for Environmental Protection and Water Management, Energy Regulatory Office, The National Centre for Research and Development, Małopolska Provincial Office in Krakow, Marshal of Małopolska Region, Municipality of Krakow (partnership), National Contact Point in Poland and AGH-UST Rector. The conference was financially supported by EDF Poland, CC Poland Plus Sp. z o. o., MetalERG, RWE Polska and Małopolska Fund for Environmental Protection and Water Management (WFOŚiGW in Krakow). The event was also medially supported by 18 media institutions.

A subset of the presenters opted to write full conference papers. These peer-reviewed proceedings are the collection of those full papers. The papers well represent the range of topics presented in the conferences and help to describe better the term of sustainability in varied areas of research. The papers were peer-reviewed by 186 reviewers representing 54 research institutions from Poland and abroad.

The Conference was organized by Institute for Sustainable Energy (ISE) in cooperation with AGH University of Science and Technology in Krakow. The members of Organizing Committee were: Tadeusz Olkusi, Mariusz Filipowicz, Magdalena Dudek, Katarzyna Szramowiat, Krzysztof Sornek, Kamila Rzepka, Andrzej Raźniak and Marta Marczak. The Scientific Committee composed of 36 specialists from Poland and abroad was driven by Prof. Mariusz Filipowicz.

On behalf of the Institute of Sustainable Energy, we have a great pleasure to invite you for the participation in the second edition of the International Conference on the Sustainable Energy and Environment Development in 2017 (follow the updates in the website www.seedconference.pl and www.ize.org.pl).

Kraków, Poland
September 2016

On behalf of the Organizing Committee:

Katarzyna Szramowiat
SEED Conference Secretary

The conference was financially supported by Małopolska Fund for Environmental Protection and Water Management (WFOŚiGW in Krakow)