9th International Workshop on Science Gateways

The IWSG2017 proceedings includes the papers presented at the IWSG2017 Workshop between 19-21 June 2017 in Poznań, Poland.

The IWSG2017 Workshop was organised by Poznań Supercomputing and Networking Center, Poland in close collaboration with Workshop Chairs, Tamas Kiss from University of Westminster, United Kingdom, Sandra Gesing from University of Notre Dame, USA.

Workshop Chairs and Program Committee are grateful to Keynote Speakers, Peter Coveney, Krzysztof Kurowski and Rajiv Ramnath for their inspiring and impressive lectures. The keynote lectures have been focused on various challenges in the area of science gateways and their wider adoption in e-Science. Both past experiences and state-of-the-art technologies have been presented and discussed with the audience. Additionally, some possible and future research collaboration opportunities at the international level have been addressed for science gateways development, sustainability and education.

Today, science gateways offer the potential to open the utilisation by providing a customised and easy to use user interface to access large computational and data resources. The complexity of the underlying infrastructure can be completely hidden from the end-users by a suitably tailored interface. As interest in science gateways has accelerated in the past few years, an increasing number of new user communities can utilise grid or cloud computing resources in a convenient manner. Therefore, the main aim of the IWSG2017 Workshop was to bring together researchers and scientists from different scientific domains, along with science gateways developers, to discuss problems and solutions in the area, to identify new issues, to shape future directions for research, foster the exchange of ideas, standards and common requirements.

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The IWSG2017 proceedings is a collection of papers presenting new approaches, best practices as well as innovative methods for science gateways. Workshop Chairs would like to thank the PC members, presenters, authors and local organizers. Their contributions made the IWSG2017 Workshop such a success. They also express their gratitude to the sponsors of the workshop: the US National Science Foundation (NSF), the Center for Research Computing of the University of Notre Dame and the IEEE Technical Area on Science Gateways.