

Sixth International Workshop & Summer School on Plasma Physics 2014

Evgenia Benova *et al* 2016 *J. Phys.: Conf. Ser.* **VV**

The Sixth International Workshop & Summer School on Plasma Physics (IWSSPP'14) was organized by St. Kliment Ohridsky University of Sofia, with co-organizer PLASMER Foundation.

It was held in Kiten, Bulgaria, at the Black Sea Coast, from June 30 to July 6, 2014. The scientific programme covers the topics *Fusion Plasma and Materials; Plasma Modeling and Fundamentals; Plasma Sources, Diagnostics and Technology*.

The Workshop *Plasma for Sustainable Environment* was co-organized together with the Institute of Plasmas and Nuclear Fusion, Lisbon, Portugal.

A special Workshop on *Remote GOLEM operation* was organized by the Institute of Plasma Physics, Prague, Czech Republic for the students and interested participants to work remotely with the Czech TOKAMAK GOLEM.

As with the previous issues of this scientific meeting, its aim was to stimulate the creation and support of a new generation of young scientists for further development of plasma physics fundamentals and applications, as well as to ensure an interdisciplinary exchange of views and initiate possible collaborations by bringing together scientists from various branches of plasma physics.

This volume of *Journal of Physics: Conference Series* includes 19 papers (invited lectures, contributed talks and posters) devoted to various branches of plasma physics, among them fusion plasma and materials, dc and microwave discharge modelling, transport phenomena in gas discharge plasmas, plasma diagnostics, cross sections and rate constants of elementary processes, material processing, plasma-chemistry and technology. Some of them have been presented by internationally known and recognized specialists in their fields; others are MSc or PhD students' first steps in science. In both cases, we believe they will raise readers' interest.

We would like to thank the members of both the International Advisory Committee and the Local Organizing Committee, the participants who sent their manuscripts and passed through the (sometimes heavy and troublesome) refereeing and editing procedure and our referees for their patience and considerable effort to improve the manuscripts. We would like to express our gratitude to the invited lecturers who were willing to pay the participation fee. In this way, in addition to the intellectual support they provided by means of their excellent lectures, they also supported the school financially.

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E. Benova and M. Atanasova

