
EDITORIAL

This issue of the Ukrainian Journal of Physics collects the contributions presented at the International Conference “Dusty plasmas in applications” (Odessa, August 25–29, 2010). This conference was organized by the Bogolyubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine, Institute for High Energy Densities of the Russian Academy of Sciences, and the Mechnikov Odessa National University.

The organization of the Conference was the responsibility of the International Organizing Committee: A. Zagorodny (Ukraine) – co-chairman, V. Fortov (Russia) – co-chairman, V. Smyntyna (Ukraine) – co-chairman, L. Boufendi (France), G. Dragan (Ukraine) – vice-chairman, S. Gaponenko (Belarus), J. Goree (the USA), V. Kalinchak (Ukraine), A. Khrapak (Russia), V. Krivtsov (Ukraine), G. Kroesen (the Netherlands), G. Morfill (Germany), O. Petrov (Russia) – the vice-chairman, T. Ramazanov (Kazakhstan), M. Rosenberg (the USA), P. Shukla (Germany), A. Starostin (Russia), S. Vladimirov (Australia), V. Vorob’ev (Russia).

The conference gathered about 90 participants from Ukraine, Russia, Germany, the Netherlands, Belgium, Kazakhstan, Belarus, Georgia, Syria, Iran, and Australia.

The program of the Conference included the following topics: general problems of kinetic description, the numerical simulation of dusty plasmas; transport properties of dusty plasmas; interactions between dust particles in plasmas; the application of dusty plasmas; *etc.*

The papers included in this issue were reviewed in the regular manner.