

International Conference  
PROBLEMS  
OF THEORETICAL PHYSICS

October 8-11, 2012, Kyiv, Ukraine

organized by

National Academy of Sciences of Ukraine  
Bogolyubov Institute for Theoretical Physics  
Institute of Physics  
Lomonosov Moscow State University  
Taras Shevchenko National University of Kyiv



The Conference is dedicated to the 100<sup>th</sup> anniversary of the outstanding theoretician in physics Alexander Davydov (26.12.1912-19.02.1993). Prof. Alexander Davydov is well known for his works in molecular crystals (Davydov splitting) and nuclear physics (Davydov-Filippov model). His idea of the energy and charge transport through macromolecules based on the concept of soliton (Davydov soliton) has been widely recognized. The main purpose of the Conference is to bring together scientists who work in theoretical physics to which Davydov has made significant contribution.

TOPICS

SOLID STATE PHYSICS • NUCLEAR PHYSICS • NONLINEAR PHENOMENA  
PHYSICS OF BIOLOGICAL MACROMOLECULES • STATISTICAL PHYSICS AND KINETICS

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There are two forms of presentation: oral and poster ones.

Registration fee: 30 EUR; the fee for students is reduced to 15 EUR.

For participation in the Conference please fill in the Registration Form at the Conference site <http://davydov2012.bitp.kiev.ua> and send the abstract in English.

**Deadline** for the registration and abstract submission is **JUNE 1, 2012**.

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