# IX Summer School AACIMP – 2014

August 1—15, 2014, Kyiv (Ukraine)

# Energy Stream

Focus of the stream is set on low energy housing and particularly new approaches and solutions to enhancing energy efficiency of buildings. We will start with broad overview of existing challenges joined with discussion of the widespread and emerging approaches to low energy building. That will expand to the study of the particular technologies such as "smart buildings", “smart grid” and their components, efficient usage of solar energy, natural ventilation and integrated energy efficiency equipment, daylight systems, heating, ventilation and air conditioning, new materials and construction methods, and advanced simulation tools.

## Topics

- Overview of Low Energy Buildings. Methods and Components
- Photovoltaics and Building Integrated Photovoltaics
- Solar Cooling
- Heat Pumps Technology
- Heat Pipes Technology and Heat Pipes Application to Energy Saving Systems
- Sustainability in Energy and Building
- Thermal efficiency in buildings
- Smart Grid

## Tutors

**Dr. Guenther Beck,** Beck&Partner KG company, Austria

**Dr. Orhan Ekren**, Ege University, Solar Energy Institute, Bornova, Izmir, Turkey.

**Dr. Johann Harter**, Activ Solar, Austria.

**Dr. Sergey Khairnasov**, Thermal Power Department of the National Technical University of Ukraine “KPI”, Kyiv, Ukraine.

**Mr. Vadim Litvin**, KyivESKO, Kyiv, Ukraine

**Mr. Ricardo Ramirez Villegas**, Dalarna University, Sweden.

**Dr. Volodymyr Voloshchuk**, Department of Hydro-Thermal Power Engineering and Hydraulics Machines, National University of Water Management and Nature Resources Use, Rivne, Ukraine.

**June, 15, 2014**
late registration

Use the online application form to apply for participation in the stream.

Program committee decides on approval of one's participation within a month from the date of submitting of an application form.

Stay tuned with updates in Summer School Program at AACIMP website

http://summerschool.ssa.org.ua