Investments channeled by the Russian Government on the development of Russia’s regions, can be effective only with adequate momentum in the scientific-technical and educational spheres. First of all this refers to primary industry - power engineering which is represented mainly by thermal and atomic power plants. Scientific-engineering community opportunities and efforts consolidation to innovative direction in thermophysical problem solving of energy production technologies identifies the conference actuality.

**The aim of the conference** is promotion to innovative development of heat-power engineering and higher education in Russia.

**Problems for discuss:** energy conservation and efficiency of organic fuel firing technologies; reliability and safety of atomic energetics manufacturing systems; technologies of monitoring and cooperation forecasting of heat-power engineering objects with environment; technologies of processing and utilization of anthropogenic waste; technologies of energy-conservative transportation, partition and consumption of thermal energy; problems of material engineering in boiler and nuclear reactor industry; technologies of high-qualification specialists training, economical, informative and ecological constituents of education.

**The main objective of the conference** is to strengthen the interaction between university and academic science in the development of innovative technologies in heat-power engineering in Russia and abroad.