



EFFICIENT ENERGY CONVERSION AND STORAGE

COORDINATOR

Dr. Jiří Plešek

Institute of Thermomechanics of the CAS, v. v. i.

OBJECTIVES

- Nanostructured materials for energy conversion
- Efficient utilization of renewable energy sources
- Storage of energy from renewable energy sources
- Decentralized production and smart distribution of energy
- New fuels for efficient and clean combustion
- Enhanced efficiency and reliability of thermal power stations
- Diagnostics and control of energy transformation processes

CONTRIBUTORS

16 institutes and centres of the Czech Academy of Sciences,
1 university department, 34+ companies/research institutions