

## **BUILDING ENERGY DESIGN**

- Dynamic models of energy and environmental behavior of buildings. Application of experimental energy evaluation - monitoring methodology.
- Calculation of the buildings energy consumption under dynamic conditions. Use of computational methods.
- Indoor energy and environmental design. Optimization methods for the thermal environmental and visual performance.
- Energy monitoring. Evaluation theory techniques. General energy balances.
- Energy classification of buildings. Energy harmonisation methods and energy classification.
- Comparison of theoretical and experimental techniques and energy evaluation procedures.