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The Fifth International Conference

# CONTEMPORARY MATERIALS

Condensed Matter, Biomaterials,  
Nanomaterials, Water, Nanomedicine

July 5–7, 2012, Banja Luka,  
Republic of Srpska, B&H



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## **SYMPOSIUM A: Material Science, Condensed Matter & Solid State Physics**

- classical, quantum and nano approaches of solid state matter
- metals and alloys
- ceramics, composite materials and polymers
- optical materials
- magnetic materials
- inorganic nanomaterials
- methods and instrumentation for materials characterization
- fluids
- colloid materials
- eco materials and eco technologies

## **SYMPOSIUM B: Biomaterials and Nanomedicine**

- biopolymers
- synthetic polymers
- metallic biomaterials
- ceramic and glassy biomaterials
- composite biomaterials
- nanomaterials and nanotechnology in dentistry and pharmacy
- bio-nano particles, quantum dots in diagnostic and therapy
- bio-nano sensors and nanomedicine

## **SYMPOSIUM C: Water**

- water structures
- biological water and liquid crystals
- aquaporins, extracellular and intracellular water
- water metabolism and associate diseases
- exclusion zone in water
- water spectroscopy and aquaphotomics
- water nano-layers and nano-fluids
- water based nanomedicine

