

Conference: **Low-Dimensional Structures X**

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The main goal of the Conference is to discuss theoretical and experimental methods for studying of structure, properties (optical, electronic, etc.) and applications of low-dimensional structures. The special attention will be given to discussion of problem of the application of low-dimensional structures in biomedicine. Various aspects of nanobiomechanics, molecular dynamics, nanobioelectronics will also be discussed.

The education and scientific program will include but is not restricted to the following **topics**:

- Synthesis technology of low-dimensional structures (nanofilms, nanocoating, nanotubes, nanowires, graphene, fullerenes)
- Atomic structure and properties of low-dimensional structures
- Methods for characterization of nanoparticles
- Biomedical and non-biomedical applications of low-dimensional structures
- 3D wireframe materials based of carbon nanostructures and natural polymer for bioengineering
- Laser nanowelding of carbon nanostructures.