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# SDANCA

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Hotel of the Bulgarian Academy of Sciences, Sofia, Bulgaria

## Shapes and Dynamics of Atomic Nuclei: Contemporary Aspects

### Main topics:

- Collective and microscopic models for nuclear deformations
- Shapes and symmetries – geometric and algebraic aspects
- Shape coexistence and shape-phase transition phenomena
- Complex shapes, isomers and cluster phenomena
- Shapes and dynamics at the limits of stability
- New data on nuclear deformations and current experimental techniques
- Interdisciplinary aspects:  
links to shape phenomena in other physical systems

### International Program Committee:

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