



**International workshop
“NICA accelerating complex: problems and solutions — 2018”
September 8–15, 2018, hotel “Villa List”, Sozopol, Bulgaria**

ORGANIZED BY:

Joint Institute for Nuclear Research, Russia

Institute for Nuclear Research and Nuclear Energy of the Bulgarian Academy of Sciences, Bulgaria

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WORKSHOP PROGRAM

The main workshop aims are associated with the implementation of the NICA project and discussion of the results of Nuclotron runs in 2016-2018.

WORKSHOP TOPICS

- Modern trends of heavy ions accelerator developments: cyclic accelerator, storage rings and colliders
- NICA project status
- High energy beam transportation channels: problems and solutions
- Beam dynamics in synchrotrons and storage rings
- Application of beam cooling methods in NICA Collider to achieve maximal luminosity
- High-current power supplies for superconducting accelerators
- Technique of cold tests and magnetic measurements for fast cycling SC magnets
- Development of complex vacuum systems for superconducting accelerators
- Ion sources, linear accelerator structures and injectors
- Cryogenics and superconducting technologies
- Accelerator diagnostic and control systems, automatization of complex engineering systems

TIME-LIMIT

The workshop program will consist of oral presentations (20-30 minutes). The official workshop languages are Russian and English.

VENUE

The workshop will be held at “Villa List” hotel and “Selena” hotel in Sozopol, Bulgaria.

USEFUL LINKS

Hotel “Villa List”: <https://www.booking.com/hotel/bg/villa-list.ru.html>

Hotel “Selena”: <https://www.booking.com/hotel/bg/selena.ru.html>