

## **Bounded cohomology and classical algebraic topology**

**Speaker:** Nikolai Ivanov

**Abstract:** The talk will be devoted to a new approach to the main theorem of the bounded cohomology theory, known as the Mapping Theorem, based on the ideas of Eilenberg-MacLane, Eilenberg-Zilber, and, especially, of Postnikov from 1950s. This approach allows to extend the Mapping Theorem to simplicial sets having the Kan extension property and also leads to a natural interpretation of the topological part of speaker's first proof (1984-5) of the Mapping theorem.