

12Th Khwarizmi International Award

Feb 1999



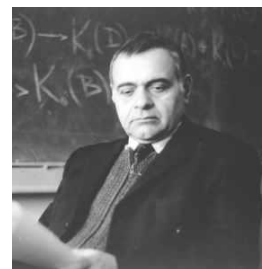
Researcher: Hvedri Inassaridze

Research Title: Non abelian homological algebra and its applications

Rank: First Joint

Field: Basic Sciences

Country: Georgia



Abstract:

Prof. Inassaridze has initiated and developed a theory of derived functors and satellites of nonadditive functors with respect to projective classes and presheaves of categories with applications to (co)homology of algebraic systems and K-theory. Has constructed the algebraic K-theory of normed algebras based on Quilled Q-construction and confirmed the Karoubi Conjecture on the isomorphism of algebraic and topological K-functors for a wide class of stable real or complex algebras and has proved the K-regularity property for Frechet algebras. He has provided a theory of equivariant (co)homology of groups with applications in algebraic K-theory and equivariant cohomology of spaces.

Inassaridze was born in Paris, December, 6, 1932. He did Secondary school in Tbilisi (1947 – 1950), 1951 student of Tbilisi state university, physic-mathematical faculty, and 1958-1961 postgraduate student of A.Razmadze mathematical institute of the Georgian Academy of Sciences and 1970 doctor of Physical and mathematical sciences confirmed by highest certification commission in Moscow.

He is head of the Algebra Department of A.Razmadze Mathematical Institute, Professor of Tbilisi State University.

Fields of interest:

- *Homological and homotopical algebra, K-theory, algebraic topology, category theory, non-commutative geometry.*