

Theory of quantum groups, viewed either as deformations of algebraic structures related to classical Lie groups, or as noncommutative algebras arising from attempts to generalise Pontryagin duality of locally compact abelian groups, was initiated in the second half of the 20th century. It has now become a broad, mature field lying at the intersection of algebra, category theory and analysis, with roots in mathematical physics, representation theory, (noncommutative) differential geometry and operator algebras. Recent years have brought several new developments and demonstrated the power of combining tools from different areas, thus giving new impulse for further interactions between them: giving new examples of operator algebras, exhibiting novel algebraic phenomena and, on the other hand, providing motivation and fascinating interpretations for abstract categorical developments, among others related to subfactors and classical probability. The meeting will be devoted to discussing the recent discoveries joining various strands of the quantum group theory and further perspectives of the field. A special focus will be put on the exchange of ideas between the purely algebraic and operator algebraic branches of the theory.