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Nota di contenuto	""Contents""; ""Preface""; ""Part I. Keynote speakers""; ""The orbit method, I: Geometric quantization""; ""The orbit method, II: Infinite-dimensional Lie groups and Lie algebras""; ""Quantized differential forms in non-commutative topology and geometry""; ""I. Algebras of differential forms and quantized differential forms""; ""II. Quantized differential forms and bivariant K-theory""; ""III. Quantized differential forms and cyclic cohomology""; ""IV. Applications: Homotopy invariance, Morita invariance, etc.""; ""Novikov's conjecture on higher signatures: The operator K-theory approach"" ""O(n)-spherical functions on Heisenberg groups""""Orbits, multiplicities and differential operators""; ""A simple approach to $D \rtimes \mathbb{Z}$ -modules""; ""Theta series and construction of automorphic forms""; ""An application of infinite dimensional Lie theory to semisimple Lie groups""; ""On the existence of homomorphisms between scalar generalized Verma modules""; ""Unitary representations on the Shilov boundary of a symmetric tube domain""; ""Characters, fixed points and Osborne's conjecture""; ""The local Langlands conjecture""; ""Part IV. C^* -algebras"" ""Representation theory of infinite dimensional unitary groups"""" C^* - algebras and applications""; ""I. C^* -algebras (basic notions)""; ""II. C^* -algebras associated with groups, dynamical systems and groupoids"";

""III. The C*-algebra of a foliated manifold""; ""IV. K-theory for C*-algebras""; ""V. Asymptotic homomorphisms and E-theory""; ""Are amenable C*-algebras classifiable?""; ""Spectra for group actions""; ""Higher McKean-Singer index formulae and non-commutative geometry""; ""Binary shifts on the hyperfinite II₁ factor""; ""Compact quantum groups associated with toral subgroups""
