

Contents

Contents, Volume 1

<i>Contents, Volume 2</i>	viii
<i>Preface, The Editors</i>	ix
Introductory Material	
<i>Programme of the Conference</i>	1
<i>Participant List from the Conference</i>	3
<i>A history and survey of the Novikov conjecture,</i> Steven C. Ferry, Andrew Ranicki, and Jonathan Rosenberg	7
<i>Annotated Problem List</i>	67
Classic Papers	
<i>On the Steenrod homology theory</i> (first distributed 1961), John Milnor	79
<i>Homotopy type of differentiable manifolds</i> (first distributed 1962), William Browder	97
<i>K-theory, group C^*-algebras, and higher signatures</i> (<i>Conspectus</i>) (first distributed 1981), Gennadi G. Kasparov	101
Research and Survey Papers	
<i>A coarse approach to the Novikov conjecture,</i> Steven C. Ferry and Shmuel Weinberger	147
<i>Geometric reflections on the Novikov conjecture,</i> Mikhael Gromov	164
<i>Controlled Fredholm representations,</i> Alexander S. Mishchenko	174
<i>Assembly maps in bordism-type theories,</i> Frank Quinn	201
<i>On the Novikov conjecture,</i> Andrew Ranicki	272
<i>Analytic Novikov for topologists,</i> Jonathan Rosenberg	338

Contents, Volume 2

<i>Contents, Volume 1</i>	viii
<i>Preface, The Editors</i>	ix
Research and Survey Papers	
<i>Proper affine isometric actions of amenable groups,</i> M. E. Bekka, P.-A. Cherix, and Alain Valette	1
<i>Bounded K-theory and the assembly map in algebraic K-theory,</i> Gunnar Carlsson	5
<i>On the rigidity of the index on open manifolds,</i> Jürgen Eichhorn	128
<i>Remarks on Steenrod homology,</i> Steven C. Ferry	148
<i>Epsilon surgery theory,</i> Steven C. Ferry and Erik K. Pedersen	167
<i>On the coarse Baum-Connes conjecture,</i> Nigel Higson and John Roe	227
<i>Exotic index theory and the Novikov conjecture,</i> Steven Hurder	255
<i>Bounded and continuous control,</i> Erik K. Pedersen	277
<i>On the homotopy invariance of the boundedly controlled signature of a manifold over an open cone,</i> Erik K. Pedersen, John Roe, and Shmuel Weinberger	285
<i>3-manifolds and $PD(3)$-groups,</i> C. B. Thomas	301
<i>Orthogonal complements and endomorphisms of Hilbert modules and C^*-elliptic complexes,</i> Evgenii V. Troitsky	309
<i>Assembly,</i> Michael Weiss and Bruce Williams	332
<i>Pro-excisive functors,</i> Michael Weiss and Bruce Williams	353