

Curriculum Vitae

Eric M. Friedlander

Academic honors / Recognition:

1974	U.S.-France Exchange of Scientists Fellowship
1974	National Research Council Award to attend I.C.M.
1977-78	Senior Visiting Fellowship, Science Research Council of Great Britain
1985	Invited Address, American Mathematical Society Regional Meeting
1986	Surrogate speaker for Andrei Suslin, plenary lecture of the International Congress of Mathematicians
1992	Zabrodsky Memorial Lecturer, Jerusalem
1996-98	Humboldt Senior Scientist Research Prize
1998	Invited Speaker, International Congress of Mathematicians
1999	Henry S. Noyes Professor of Mathematics
2001	Plenary Address, A.M.S. - Mexican Math Society Meeting
2001	Humboldt research grant (continuation), Heidelberg
2003	Plenary speaker, International A.M.S.-Spain Congress
2005	Spenser lecturer, Kansas State
2005	Fellow, American Academy of Arts and Sciences
2008	Dean's Professor of Mathematics

Education/Employment:

1965	Swarthmore College, B.A.
1970	Massachusetts Institute of Technology, Ph.D
1970-71	Instructor, Princeton University
1971-72	Lecturer, Princeton University
1972-75	Assistant Professor, Princeton University
1975-80	Associate Professor, Northwestern University
1980 -08	Professor, Northwestern University
1987-90	Chair, Mathematics Department
1995-98	Academic Associate Dean, College of Arts and Sciences
1999 -08	Henry S. Noyes Professor of Mathematics
1999-03	Chair, Mathematics Department
2008-	Dean's Professor, University of Southern California

Visiting Positions:

1974,82-3,85,87	Visiting Member, I.H.E.S., France
1977	Research Fellow, Trinity College, Cambridge, England
1978	Research Fellow, New College, Oxford, England
1981,85-6,99,04,05	Institute for Advanced Study
1982-83	Professor Associe, Paris
1983	Visiting Fellow, M.P.I., Germany
1984,86,88,91	Visiting Fellow, E.T.H.-Zurich, Switzerland
1986,95,08	Visiting Member, M.S.R.I.
1988, 89,90, 90-91,93	Visiting Member, I.H.E.S., France
1992	Visiting Professor, Hebrew University
1994	Visiting Distinguished Professor, Brown Univ.
1996-98,01	Visiting Professor, Heidelberg, Germany
1998-9,02,04,05, 06	Visiting Member, I.H.E.S., France
1999	Research Professor, M.S.R.I.
2000,03-04	Visiting Fellow, E.T.H.-Zurich, Switzerland
2004	Visiting Fellow, Institut Henri Poincaré
2007-08	Visiting Professor, University of Southern California

Professional Activities:

My service to the mathematical community includes: refereeing papers/grant proposals and editing journals; serving on various national committess; and organizing mathematical conferences.

Editorial Boards

Co-Managing Editor	Journal of Pure and Applied Algebra
Editorial board	Journal of K -theory
Editorial board	American Journal
Chair, Editorial board	University Lecture Series of the A.M.S.
Editorial board	Algebra and Applications, Springer-Verlag

Past editorial boards include Bulletin of the A.M.S., Proceedings of the A.M.S., Oxford Mathematical Monographs, Central European Journal of Mathematics, Handbook of K -theory.

American Mathematical Society

Board of Trustees of the A.M.S., 2000 - (Chair 2003,08)
Committee on Publications, 2005 -
Committee on , 2005 - 2007 (Chair 2006)
Selection Committee, Cole Prize, 2005
Nominating Committee (1995-98)
Committee on Summer Institutes and Special Symposia,1985-87
Committee on the Publication Program,1989-92
Committee on Science Policy,1991-93, 2000-05

Fields Institute

Scientific Advisory Committee, 2005 –

Extra-mural committees

National Science Foundation Postdoctoral Fellowship Committee, 2007 -
External Reviewer, Loyola of Chicago Mathematics Department, 2005
Algebra Panel, International Mathematical Union, 2000-01
National Science Board N.S.F. Graduate Fellowship Committee, 1993
National Research Council Committee on U.S. Math Science Institutes, 1998-99

Conference Organization

1977 Northwestern Algebraic Topology Conference
1978 Oberwolfach: Connections between Algebraic Geometry and Algebraic Topology
1980 Northwestern Algebraic K -theory Conference
1981 Princeton Algebraic K -theory Seminar
1983 A.M.S. Algebraic K -theory Conference
1983 U.S.– France Algebraic K -theory Conference
1985 Northwestern Cohomology of Groups Conference
1990-1 I.H.E.S. Working Seminar on Chow Varieties
1991 A.M.S. Algebraic Groups Conference
1992 Northwestern Conference on Topology
1994 Great Lakes K -theory Conference, Evanston
1996 A.M.S. Motives Special Session, Antwerp
1997 A.M.S. K -theory Special Session, Pretoria
1997 Great Lakes K -theory Conference, Evanston
1998 MSRI Workshop, Berkeley
1999 A.M.S. Representation theory Special Session, Melbourne
1999 A.M.S. Diverse legacy of Jean Leray, Austin
2001 Great Lakes K -theory, Evanston
2002 Northwestern Topology Conference, Evanston
2003 A.M.S. Algebraic Topology Special Session, Seville
2003 A.M.S. Cycles, K -theory, & Motives Special Session, Bangalore
2004 A.M.S. Special Session on Motives, Evanston
2005 A.M.S. - D.M.V Session on Motivic Cohomology, Mainz
2005 Great Lakes K -theory, Chicago
2007 Homotopy theory of schemes, Fields Institute
2007 School on algebraic K -theory, ICTP (Trieste)
2007 Abel symposium, Oslo
2009 Motivic Homotopy Theory, Muenster

Recent Invited Lectures:

seminars/colloquia at international universities

ETH-Zurich: Algebra Seminar, 2001
Goettingen: Colloquium, 2001
Heidelberg: Oberseminar (5 lectures), 2001
Nantes: Cohomology of functors (5 lectures), 2001
Orsay: Number Theory Seminar, 2002
ETH-Zurich, Zurich: Colloquium, 2003
ETH-Zurich: Nach-Diplom lectures (12 lectures), 2003
Strasbourg: Topology Seminar, 2004
ETH-Zurich: Topology Seminar, 2004
Institut Henri Poincaré: K-theory (7 lectures), 2004
Orsay: Algebraic Geometry Seminar, 2004
University of Paris 13: Topology Seminar, 2004
Cambridge University: Algebra Seminar, 2004
London: algebra colloquium, 2004
Edinburgh: Colloquium, 2004
Bonn: Colloquium, 2004
Oxford: Colloquium, 2006
Tokyo University: Algebraic geometry, 2006

conference lectures

T.I.F.R. (Bombay): Colloquium on Algebra, Arithmetic, and Geometry, 2000
Toulouse: K-theory and the Homotopy Theory of Schemes, 2000
Morelia: Plenary talk at A.M.S.–Mexico joint meeting, 2001
Stony Brook: Geometry Conference in honor of Blaine Lawson, 2002
Urbana: Great Lakes K-theory, 2002
Mount Holyoke: A. M.S. Summer Conference, 2002
I.C.T.P.: K-theory Conference, 2002
Madison: A.M.S. Special Session on cohomology of groups, 2002
Seville: Plenary address, A.M.S.–Spain joint meeting, 2003
Paris: K-theory & Motivic cohomology conference, 2004
Paris: Group theory conference, 2004
Snowbird: A.M.S. Summer Conference, 2004
Bonn: Arbeitstagung, 2005
Cracow: CAT05 (algebraic topology) 2005
Lincoln: A.M.S. Special session on motivic cohomology, 2005
Providence: Lichtenbaum conference, 2005
Oberwolfach: K-theory conference, 2005
Leeds: Conference on Triangulated Categories, 2006
Kyoto: Number Theory, 2006
Bielefeld: Representation Theory, 2007
Trieste: K-theory (6 lectures), 2007
Los Angeles: Southern California Algebra Conference, 2007
Columbus: Conference on Algebraic Cycles, 2008

Berkeley (MSRI): Homological Methods in Representation Theory, 2008
Vancouver: ABC algebra workshop, 2008

seminars/colloquia at north American universities

Boston Area Colloquium, 2000
University of Nebraska: colloquium, 2000
University of Wisconsin: colloquium, 2000
University of Indiana: colloquium, 2000
University of Utah: colloquium, 2001
University of Chicago: Algebraic Geometry Seminar, 2001
University of California at Los Angeles: colloquium, 2001
University of Southern California: colloquium, 2001
University of Nebraska: colloquium, 2002
Duke University: colloquium, 2002
University of Oregon: colloquium, 2003
University of Oregon: algebra seminar, 2003
University of Georgia: colloquium, 2004
University of Georgia: algebra seminar, 2004
Princeton University: algebra seminar, 2005
University of Pennsylvania: algebra seminar, 2005
Kansas State: “Spenser Lecture”, 2005
Kansas State: algebra seminar, 2005
University of Illinois, Chicago: colloquium, 2005
University of Washington: colloquium, 2006
University of Washington, topology seminar, 2006
University of Southern California: colloquium, 2006
University of Washington: algebra seminar, 2007
University of California Los Angeles: colloquium, 2008
University of British Columbia: colloquium, 2008

Chair of Mathematics, Northwestern:

1987-90

1999-03

I took an active role in recruiting, mentoring, and retaining excellent faculty. I initiated numerous student prizes and generated small amounts of money to support departmental activities, mostly generated by an annual newsletter to faculty and alumni

Academic Associate Dean, Northwestern:

As the Academic Associate Dean for Science in the College of Arts and Sciences, I served as the primary link between College/University administration and the faculty in eight science departments: Biochemistry, Chemistry, Geology, Linguistics, Mathematics, Neurobiology, Physics, and Psychology. My roles included:

- Formulation of plans for new Chemistry building
- Development of new specialties in Physics
- Active recruitment in Mathematics
- Faculty issues related to new relationship with Evanston Hospital
- Development of Environmental Sciences Program
- Encouragement for Linguistics programs
- Balancing factions within Psychology
- Frequent consultation with department chairs
- Spear-heading formal mentoring program for junior faculty
- Sympathetic ear for concerns of individual faculty
- Professional problems of faculty
- Interview all candidates for science faculty positions

Budgetary Experience

Northwestern University

- Salary recommendations for Mathematics faculty
- Oversee Mathematics Department budget
- Science representative on College Budget Committee
- Review salaries of science faculty as Associate Dean
- Advise on departmental hiring allocations
- Formulate and fund start-up packages
- Negotiate matching funds
- Faculty budget committee advising Northwestern president
- Faculty/staff committee overseeing benefits
- One-on-one negotiations with University President

American Mathematical Society

Board of Trustees (audit committee, etc)

Program Review, Northwestern University

- Chair, Mathematics self-study committee (2 times)
- Reviewed all science department submissions and responses
- Chair, Internal Review Committee for Law School (1997)
- Chair, Internal Review Committee for Office of Admin & Plan (1998)
- Chair, Internal Review Committee for Graduate School (2003)
- External reviewer of Mathematics at Loyola University (Chicago)

Promotion and Tenure, Northwestern University

Member of College committee to review all promotion/tenure decisions (1991-94)

Student-oriented Committees, Northwestern University

Convened student committees to review smoking in student center (twice)

Evaluated submissions and gave mock interviews (many years)

Northwestern University Committees

Research Policy Advisory Committee

Leland Forum Committee (C.A.S.)

Scholarship Selection Committee (C.A.S.)

Klopsteg Lecture Committee

General Faculty Committee

Expanded Budget Committee (C.A.S.)

Faculty/Staff Benefits Committee, Chairman

Budget Resources Advisory Committee

Ad Hoc Committee concerning Smoking in Norris Center

University Library Committee

Promotion and Tenure Committee (C.A.S.)

Fellowship Selection Committee

Student Information Services Oversight Committee

Program Review Council (Chair, Law School review)

Program Review Council (Chair, Admin & Plan review)

Provost's committee on cross-school hiring initiatives

Dean's committee on promotion and tenure procedures

Program Review Council (Chair, Graduate School review)

Orientation program for new Chairs

Science representative on College Salary Committee

Ph.D Students:

- David A. Cox, Princeton Ph.D, 1974
- Roy Joshua, Northwestern Ph.D, 1983
- Paul Kunkel, Northwestern Ph.D, 1984
- Henry Cejtin, Ph.D. Northwestern Ph.D, 1985
- Steve Schlicker, Northwestern Ph.D, 1987
- Mark Muzere, Northwestern Ph.D, 1987
- Joseph Gottman, Northwestern Ph.D, 1993
- Christopher Flannery, Northwestern Ph.D, 1994
- Christopher Bendel, Northwestern Ph.D, 1996
- Julia Pevtsova, Northwestern Ph.D, 2002
- Christian Haesemeyer, Northwestern Ph.D, 2003
- Jeremiah Heller, Northwestern Ph.D, 2006
- Mircea Voineaugu, Northwestern Ph.D, 2007
- Chenghao Chu, Northwestern Ph.D, 2008

Grant Support:

1970–	N.S.F. Principal Investigator grant (recent award: 2008 - 2111)
2003–	N.S.F. grant to support Great Lakes K-theory
1990–2004	N.S.A. grant
1976, etc	N.S.F. support for Emphasis Years in Algebra and Topology 1976-7, 1979-80, 1981-2, 1984-5, 1987-8, 1991-2, 1996-7, 2001-02
1974	C.N.R.S. (U.S.– France Exchange of Scientists Fellowship)
1977–78	S.R.C. (Visiting Senior Lectureship)
1978,82-3	N.S.F. Sabbatical Support
1980	N.S.F. Support for Algebraic K -theory Conference
1981,85-6	Institute for Advanced Study
1982–83	N.S.F. Sabbatical Support
1983	N.S.F. Support for U.S.– France Algebraic K -theory Conference
1984–85	N.S.F. Support for Cohomology of Groups Emphasis Year
1986	Institute for Advanced Study
1991–92	N.S.F. support for Algebra & Topology Emphasis Year
1991–92	N.S.F. support for Algebra & Topology Emphasis Year
1996–97	N.S.F. support for Algebra & Topology Emphasis Year
1998	M.S.R.I. support for “hot topics” workshop

Partial support from Institute for Advanced Study, University of Paris VII, I.H.E.S., Max-Planck Institut, E.T.H. (Zurich), and M.S.R.I. as visitor (cf. Visiting Positions).

Publications

My research interests include algebraic geometry (both classical and abstract), algebraic K -theory, algebraic topology, and representation theory.

Research articles

1. Fibrations in étale homotopy theory, *Pub. Math. I.H.E.S.* 42 (1972), 281–322.
2. (with P. Griffiths and J. Morgan) Homotopy theory and differential forms, *M.I.T. notes* (1972).
3. $K(\pi, 1)$'s in characteristic $p > 0$, *Topology* 12 (1973), 9–18.
4. The étale homotopy theory of a geometric fibration, *Manuscripta Mathematica* 10 (1973), 209–244.
5. Unstable K -theories of the algebraic closure of a finite field, *Comment. Math. Helvetici* 50 (1975), 145–154.
6. Exceptional isogenies and the classifying spaces of simple Lie groups, *Annals of Math.* 101 (1975), 510–520.
7. Extension functions for rank two torsion free abelian groups, *Pacific J. Math.* 58 (1975), 371–380.
8. Computations of K -theories of finite fields, *Topology* 15 (1976), 87–109.

9. Homological stability for classical groups over finite fields, in Algebraic K -theory, Lecture Notes in Math. 551, Springer (1976), 290–303.
10. Maps between localized homogeneous spaces, *Topology* 16 (1977), 205–216.
11. (with R.M. Seymour) Two proofs of the stable Adams conjecture, *Bull. A.M.S.* 83, No. 6 (1977), 1300–1302.
12. (with S. Priddy) Karoubi’s conjecture for finite fields, *J. Pure & Applied Algebra* 10 (1977), 233–238.
13. (with A.K. Bousfield) Homotopy theory of Γ -spaces, spectra, and bisimplicial sets, in Geometric Applications of Homotopy Theory II, Lecture Notes in Math. 658, Springer (1978), 80–130.
14. The infinite loop Adams conjecture via classification theorems for F -spaces, *Math. Proc. Camb. Phil. Soc.* (1980), 109–150.
15. Etale K -theory I: Connections with etale cohomology and algebraic vector bundles, *Inventiones Math.* 60 (1980), 105–134.
16. (with L. Evens) $K_r(\mathbf{Z}/p^2\mathbf{Z})$ and $K_r(\mathbf{Z}/p\mathbf{Z}[\varepsilon])$ for $p \geq 5$ and $r \leq 4$, *Bull. A.M.S.* 3, no. 2 (1980), 440–443.
17. (with B. Parshall) Etale cohomology of reductive groups, in Algebraic K -theory (Evanston 1980), Lecture Notes in Math. 854, Springer (1981), 127–140.
18. (with L. Evens) On $K_*(\mathbf{Z}/p^2\mathbf{Z})$ and related homology groups, *Trans. A.M.S.* 270, no. 1 (1982), 1–46.
19. Etale K -theory II: Connections with algebraic K -theory, *Ann. Scient. Ecole Norm. Sup.*, t. 15 (1982), 231–256.
20. (with W. Dwyer, V. Snaith and R. Thomason) Algebraic K -theory eventually surjects onto algebraic K -theory, *Inventiones Math.* 66(3) (1982), 481–497.
21. (with W. Dwyer) Etale K -theory and arithmetic, *Bull. AMS* 6(3) (1982), 453–455.
22. (with B. Parshall) On the cohomology of Chevalley groups, *Bull. A.M.S.* 7, no. 1 (1982), 247–250.
23. (with B. Parshall) On the cohomology of algebraic and related finite groups, *Inventiones Math.* 74 (1983), 85–117.
24. (with G. Mislin) Cohomology of classifying spaces of complex Lie groups and related finite groups, *Comment. Math. Helvetici* 59 (1984), 347–361.
25. (with W. Dwyer) Etale K -theory of Azumaya algebras, *J. Pure and Applied Algebra* 34 (1984), 179–191.
26. A canonical filtration for certain rational modules, *Math. Z.* 188 (1985), 433–438.
27. (with W. Dwyer) Algebraic and etale K -theory, *Trans. A.M.S.* 292 (1985), 247–280.

28. (with B. Parshall) Cohomology of Lie algebras and algebraic groups, *American Journal* 108 (1986), 235–253.
29. (with W. Dwyer) Conjectural calculations of general linear group homology, *Contemporary Math.* 55, Part 1 (1986), 135–147.
30. (with W. Dwyer) Some remarks on the K -theory of fields, *Contemporary Math.* 55, Part 1 (1986), 149–158.
31. (with B. Parshall) Cohomology of infinitesimal and discrete groups, *Math. Annalen* 273 (1986), 353–374.
32. (with G. Mislin) Locally finite approximations of Lie groups I, *Inventiones Math.* 83 (1986), 425–436.
33. (with G. Mislin) Locally finite approximations of Lie groups II, *Math. Proc. Camb. Phil. Soc.* 100 (1986), 505–517.
34. (with B. Parshall) Support varieties for restricted Lie algebras, *Inventiones Math.* 86 (1986), 553–562.
35. (with B. Parshall) Limits of infinitesimal group cohomology, *Annals of Math. Studies* no. 113 (1987), 523–538.
36. (with B. Parshall) Geometry of p -unipotent Lie algebras, *J. Algebra* 109, no. 1 (1987), 25–45.
37. (with B. Parshall) Rational actions associated to the adjoint representation, *Ann. Scient. Ec. Norm. Sup. 4e Serie*, t. 20 (1987), 215–226.
38. (with B. Parshall) Representations of mod- p Lie algebras, *Bull. A.M.S.* 17, no.1 (1987), 129–132.
39. Cohomology of irreducible modules with large weights, *Proceedings of Symposia in Pure Mathematics* 47, vol. 2 (1987), 187–193.
40. Multiplicative stability for the cohomology of finite Chevalley groups, *Comment Math. Helvetici* 63 (1988), 108–113.
41. (with G. Mislin) Conjugacy classes of finite solvable subgroups in Lie groups, *Ann. Scient. Ecole Norm. Sup. 4e Serie*, t. 21 (1988), 179–191.
42. (with B. Parshall) Modular representation theory of restricted Lie algebras, *Amer. J. Math.* 110 (1988), 1055–1094.
43. Homology using Chow varieties, *Bull. A.M.S.* 20, no. 1 (1989), 49–53.
44. (with B. Parshall) Deformations of Lie algebra representations, *Amer. J. Math.* 112 (1990), 375–390.
45. (with G. Mislin) Galois descent and cohomology for algebraic groups, *Math. Zeit.* 205 (1990), 177–190.

46. Algebraic cycles, Chow varieties, and Lawson homology, *Compositio Math.* 77 (1991), 55-93.
47. (with B. Parshall) Induction, deformation and specialization of Lie algebra representations, *Math. Annalen.* 290 (1991), 473–489.
48. (with H. B. Lawson) Algebraic cocycles and the cohomology of algebraic varieties, *Bull. A.M.S.* 26, no. 2, (1992), 264–268.
49. (with H. B. Lawson) A theory of algebraic cocycles, *Annals of Math.* 136 (1992), 361–428.
50. (with W. Dwyer and S. Mitchell) The generalized Burnside ring and the K -theory of a ring with roots of unity, *K-theory* 6 (1992), 285-300.
51. (with O. Gabber) Cycle spaces and intersection theory, in *Topological Methods in Modern Mathematics* (1993), 325-370.
52. (with W. Dwyer) Topological models for arithmetic, *Topology* 33 (1994), 1–24.
53. Some computations of algebraic cycle homology, *K-theory* 8 (1994), 271–285.
54. (with B. Mazur) Correspondence homomorphism for singular varieties, *Annales de l'Institut Fourier* 44, 3 (1994), 703-727.
55. Filtrations on algebraic cycles and homology, *Annales Ec. Norm. Sup.*, 4^e serie, t. 28 (1995), 317-343.
56. (with A. Suslin), Cohomology of finite group schemes over a field, *Inventiones Math.* 127 (1997), 209-270.
57. (with H.B. Lawson) Duality relating spaces of algebraic cocycles and cycles, *Topology* 36 (1997), 533-565.
58. (with A. Suslin and C. Bendel) Infinitesimal 1-parameter subgroups and cohomology, *Journal of the American Mathematical Society*, 10 (1997), 693-728.
59. (with A. Suslin and C. Bendel) Support varieties for infinitesimal group schemes, *Journal of the American Mathematical Society*, 10 (1997), 729-759.
60. Motivic complexes of Suslin and Voevodsky. *Séminaire Bourbaki.* vo. 1996/97. *Asterisque* 245 (1997), 355-378.
61. Algebraic cocycles on quasi-projective varieties, *Compositio Math.* 110 (1998), 127-162.
62. (with H.B. Lawson) Moving algebraic cycles of bounded degree. *Inventiones Math.* 132 (1998), 91-119.
63. Geometry of infinitesimal group schemes. *Documenta Mathematica* 1998, Extra Vol. II, 55-65.
64. (with C. Weibel) An overview of algebraic K -theory, 1997 Trieste lecture notes; in *Algebraic K-theory and its Applications*. World Scientific Publishing (1999), 1 – 119.

65. (with V. Franjou, A. Scorichenko, and A. Suslin) General linear and functor cohomology over finite fields, *Annals of Math* **150** (1999), 663-728.
66. (with V. Voevodsky) Bivariant cycle cohomology. In *Cycles, Transfers, and Motivic Homology Theories*. *Annals of Math Studies*, Princeton University Press 2000, 138-187.
67. Bloch-Ogus properties for topological cycle theory, *Annales Ec. Norm Sup.* **33** (2000), 57-65.
68. Intersection products for spaces of algebraic cycles, *Recent progress in intersection theory* (Bologna, 1997), 217–237, *Trends Math.*, Birkhauser 2000.
69. Relative Chow correspondences and the Griffiths group. *Annales de l’Institut Fourier, Grenoble* **50** (2000), 1073-1098.
70. (with M. Walker) Function spaces and continuous algebraic pairings for varieties, *Compositio Math.* **125** (2001), 69–110.
71. (with M. Walker) Comparing K theories for complex varieties, *American J. of Math* **123** (2001), 779–810.
72. (with M. Walker) Some remarks concerning mod- n K -theory. *Invent. math* **145** (2001), 545–555.
73. (with M. Walker) Semi-topological K -theory using function complexes. *Topology* **41** (2002), 591–644.
74. (with M. Walker) Semi-topological K -theory of real varieties. *Proceedings of the International Colloquium on Algebra, Arithmetic and Geometry*, Tata Institute of Fundamental Research, Mumbai 2000, Ed. R. Parimala, (2001), 219–326.
75. (with A. Suslin) The spectral sequence relating algebraic K -theory to motivic cohomology, *Ann. Sci. Ec Norm. Sup.* **35** (2002), 773–875.
76. (with M. Rapoport and A. Suslin) The mathematical work of the 2002 Fields medalists, *Notices of the A.M.S.* **50** (2003), 212–217.
77. (with M. Walker) Rational isomorphisms between K -theories and cohomology theories, *Inventiones Math.* **154** (2003), 1–61.
78. Lectures on the cohomology of finite group schemes. In *Rational Representations, The Steenrod Algebra, and Functor Homology*, *S.M.F.* **16** (2003) 27-53
79. (with C. Haesemeyer and M. Walker), Techniques, computations and conjecture for semi-topological K -theory, *Math Annalen* **330** (2004), 759-807.
80. (with J. Pevtsova) Representation-theoretic support spaces for finite group schemes, *American Journal of Math* **127** (2005), 379-420.
81. (with M. Walker) Semi-topological K -theory, in *Handbook of K -theory*, vol I (2005).
82. (with J. Pevtsova and A. Suslin), Generic and maximal Jordan types, *Inventiones Math* **168** (2007), 485-522.

83. (with J. Pevtsova) Π -supports for modules for finite group schemes over a field, *Duke Math. J.* **139** (2007), 317-368.
84. (with J. Carlson and J. Pevtsova), Modules of constant Jordan type, *Journal für die reine und angewandte Mathematik* **614** (2008), 191-234.
85. (with V. Franjou) Cohomology of Bifunctors, *Proceedings of the London Mathematical Society* (2008), 1-31.
86. The Friedlander-Milnor Conjecture, *L'Enseignement Mathématique* **54** (2008), 90-92.
87. (with J. Carlson), Exact category of modules of constant Jordan type. To appear in the *Manin Festschrift*, *Progress in Mathematics*, Birkhauser.
88. (with H.B. Lawson) Graph mappings and Poincare duality. To appear in *Math Annalen*.
89. Lectures in K-Theory. *Proceedings of the K-Theory summer school, 2007, ICTP*.
90. (with J. Pevtsova), Constructions for infinitesimal group schemes. Preprint.
91. Weil Restriction and Support Varieties. Preprint.

Research monographs

1. *Etale Homotopy of Simplicial Schemes*, *Annals of Mathematics Studies #104*, Princeton University Press, 1982.
2. (with B. Mazur) *Filtrations on the homology of algebraic varieties*, *Memoir of the A.M.S.*, no. 529, 1994.
3. (with A. Suslin and V. Voevodsky) *Cycles, Transfers, and Motivic Homology Theories*. *Annals of Math Studies*, Princeton University Press, 2000.

Edited volumes

1. (with M. Stein), *Algebraic K-theory*, Evanston 1980, Springer Lecture Notes 854.
2. Special volume of *Journal of Pure and Applied Algebra*, 1984.
3. (with S. Bloch, R.K. Dennis and M. Stein), *Applications of Algebraic K-theory to Algebraic Geometry and Number Theory*, *Contemporary Math.* 55.
4. (with M. Mahowald), *Topology and Representation Theory*, *Contemporary Math.* 158.
5. (with D. Grayson), *Handbook of K-theory Vol 1, Vol 2*, Springer, 2005.
6. (with A. Kuku and C. Pedrini), *Some recent developments in algebraic K-theory*. To be published by ICTP, 2008.
7. (with N. Baas, B. Jahren, and P. Oestvaer), *Proceedings of the 2007 Abel Symposium*. To be published by Springer-Verlag.