

## ERIC M. FRIEDLANDER

### Highlights of Past Decade:

Academic Associate Dean of Science, 1995-98  
Chair, Mathematics Department, 1987-90 and 1999-2003  
Humboldt Senior Research Prize, 1996-97 (Heidelberg)  
Chair, Review of Northwestern Law School 1997  
Chair, Review of Northwestern Office of Administration and Planning 1998  
Henry S. Noyes Professor of Mathematics 1999 –  
Invited speaker, International Congress of Mathematicians 1998 (Berlin)  
Board of Trustees of the American Mathematical Society, 2000 – 2010 (Chair, 2003)  
Plenary speaker, International A.M.S.-Mexico Congress 2001 (Morelia)  
Chair, Review of Northwestern Graduate School 2003  
Plenary speaker, International A.M.S.-Spain Congress, 2003 (Seville)  
Nach Diplom Lecturer, 2003-04 (ETH-Zurich)  
Spenser Lecturer, 2005 (Kansas State)  
Scientific Advisory Panel, Fields Institute, 2005 –  
Member, American Academy of Arts and Science, 2005 –  
Reviewer of Loyola (Chicago) Mathematics, 2006  
Arts & Sciences, Division I representative to Dean's Budget Committte, 2007 –

### EDUCATION:

1965	B.A.	Swarthmore College
1970	Ph.D.	Massachusetts Institute of Technology

### EMPLOYMENT:

1970–75	Instructor, Lecturer, Ass't Prof, Princeton University
1975 –	Associate Prof, Professor, Northwestern University

### **Academic Associate Dean:**

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:

- Advise     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
- Mentor    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 Interview all candidates for science faculty positions

### **Budgetary Experience:**

- Math       Salary recommendations for Mathematics faculty
- Departmental budget
- Arts&Sci Division I representative on Budget Committee, 2007 -2010
- Sciences   Review salaries of science faculty
- Advise on departmental hiring allocations
- Formulate and fund start-up packages
- Negotiate matching funds
- University Faculty committee advising President on overall University budget
- Faculty/staff committee overseeing benefits
- One-on-one negotiations with University President
- AMS        American Math Society Board of Trustees (audit committee, etc)

### **Program Review:**

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

### **Promotion and Tenure:**

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

### **Student-oriented Committees:**

Student life Convened student committees to review smoking in student center (two years)  
Fellowships Evaluated submissions and gave mock interviews (many years)

### **Visiting Positions:**

Over the years, I have been very fortunate to have the opportunity to visit many other mathematical institutions.

1974,82-3,85,87,88, Visiting Member, I.H.E.S., France  
– 89,90,90-91,93,98-9,02,04,06  
1977 Research Fellow, Trinity College, Cambridge, England  
1978 Research Fellow, New College, Oxford, England  
1981,85-6,99,05 Institute for Advanced Study  
1982-83 Professor Associe, Paris  
1983 Visiting Fellow, M.P.I., Germany  
1984,86,88,91,00,03 Visiting Fellow, E.T.H., Switzerland  
1986,95 Visiting Member, M.S.R.I.  
1992 Visiting Professor, Hebrew University  
1994 Visiting Distinguished Professor, Brown Univ.  
1996-98,01 Visiting Professor, Heidelberg, Germany  
1999 Research Professor, M.S.R.I.  
2004 Visiting Fellow, Institut Henri Poincare

### **Academic Honors/Awards/Recognition:**

1961–65 National Merit Scholarship  
1965 Phi Beta Kappa  
1965 Sigma Xi  
1965 Woodrow Wilson National Fellowship (honorary)  
1965–70 National Science Foundation Graduate Fellowship  
1974 U.S.– France Exchange of Scientists Fellowship  
1974 National Research Council Award to attend International Congress  
of Mathematicians  
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 Lecture, Hebrew University (Jerusalem)  
1994 Visiting Distinguished Professor, Brown Univ.  
1996–97 Humboldt Senior Scientist Research Prize  
1998 Invited Speaker, International Congress of Mathematicians  
1999 Henry S. Noyes Professor of Mathematics  
2001 Humboldt Research Grant (continuation), Heidelberg  
2001 Plenary speaker, International A.M.S.-Mexico Congress

- 2003 Plenary speaker, International A.M.S.-Spain Congress
- 2005 Spenser Lecturer (Kansas State)
- 2005 Member, American Academy of Arts and Sciences

**Professional Activities:**

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

- Editor Co-Managing Editor, Journal of Pure and Applied Algebra  
Editorial Board, Journal of  $K$ -theory  
Editorial Board, American Journal of Mathematics  
Editorial Board, A.M.S. University Lecture Series  
Editorial Board, Algebra and its Applications
- A.M.S. Committee on Summer Institutes and Special Symposia (1985-87)  
Committee on the Publication Program (1989-92)  
Committee on Science Policy (1991-93), (2000 - 2005 )  
Committee on Publications (2005 - )  
Nominating Committee (1995-98)  
Board of Trustees of the A.M.S. (2000-10)  
Chair, Committee on Committees (2005-08)  
Committee to select Cole Prize Winner (2005)
- N.S.F. National Science Board N.S.F. Graduate Fellowship Committee (1993)
- N.R.C. National Research Council Committee on U.S. Math Science Institutes (1998-99)
- I.M.U Panel Selection Committee for International Mathematical Union (2000-01)
- Fields Scientific Advisory Committee of the Fields Institute (Toronto), 2005 –

Co-organizer of the following conferences/seminars:

- 1977 Northwestern Algebraic Topology Conference
- 1978 Oberwolfach Conference on 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
- 1992,97 Northwestern Conference on Topology and Representation Theory
- 1994 Great Lakes  $K$ -theory Conference
- 1996 A.M.S. Motives Special Session, Antwerp
- 1997 A.M.S.  $K$ -theory Special Session, Pretoria
- 1998 MSRI Workshop, Berkeley
- 1999 A.M.S. Representation theory Special Session, Melbourne

- 1999 A.M.S. Diverse Legacy Special Session, Austin
- 2001 Great Lakes K-theory Conference, 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. Motives Special Session, Evanston
- 2005 A.M.S. Algebraic Cycles Special Session, Mainz
- 2006 Great Lakes K-theory Conference, Chicago
- 2007 Homotopy theory of schemes, Fields Institute
- 2007 School on algebraic K-theory, ICTP (Trieste)
- 2007 Abel symposium, Oslo

**Research Support:**

- 1970–present N.S.F. Principal Investigator grant  
(current 5 year grant: 2003 - 2008)
- 1990–2004 N.S.A. grant
- 2003 - present N.S.F. grant to support K-theory conferences
- 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
- '81,85-6,05 Institute for Advanced Study
- 1982–83 N.S.F. Sabbatical Support
- 1983 N.S.F. Support for U.S.– France Algebraic *K*-theory Conference
- 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).

**Recent Lectures:**

(conference lectures)

- |      |   |   |
|------|---|---|
| 2000 | Bombay<br>Toulouse  | T.I.F.R. Colloquium on Algebra, Arithmetic, and Geometry<br>K-theory and the Homotopy Theory of Schemes   |
| 2001 | Morelia   | Plenary talk at A.M.S.–Mexico joint meeting   |
| 2002 | Stony Brook<br>Urbana<br>Mount Holyoke<br>I.C.T.P.<br>Madison | Geometry Conference in honor of Blaine Lawson<br>Great Lakes K-theory<br>A. M.S. Summer Conference<br>K-theory Conference<br>A.M.S. Special Session on cohomology of groups |
| 2003 | Seville   | Plenary address, A.M.S.–Spain joint meeting   |
| 2004 | Paris<br>Paris  | K-theory & Motivic cohomology conference<br>Group theory conference   |

	Snowbird	American Mathematical Society Summer Conference
2005	Bonn	Arbeitstagung
	Cracow	CAT05 (algebraic topology)
	Lincoln	A.M.S. Special session on motivic cohomology
	Providence	Lichtenbaum conference
	Oberwolfach	K-theory conference
2006	Leeds	Conference on Triangulated Categories
2006	Kyoto	Number Theory

(seminars – Overseas institutions)

2000	Zurich, Algebra Seminar
2001	Goettingen, Colloquium
	Heidelberg, Oberseminar (5 lectures)
	Nantes, Cohomology of functors (5 lectures)
2002	Orsay, Number Theory Seminar
2003	ETH-Zurich, Zurich Colloquium
	ETH-Zurich, Nach-Diplom lectures (12 lectures)
2004	Strasbourg, Topology Seminar
	ETH-Zurich, Algebra & Topology Seminar
	Institut Henri Poincare, lecture series (7 lectures)
	Orsay, Algebraic Geometry Seminar
	University of Paris 13, Topology Seminar
	Cambridge University, Algebra Seminar
	London algebra colloquium
	Edinburgh, Colloquium
	Bonn, Colloquium
2006	Oxford, Colloquium
2006	Tokyo University

(seminars/colloquia – American universities)

2000	Boston Area Colloquium
	University of Nebraska
	University of Wisconsin
	University of Indiana
2001	University of Utah
	University of Chicago, Algebraic Geometry Seminar
	University of California at Los Angeles, Colloquium
	University of Southern California, Colloquium
2002	University of Nebraska
	Duke University
2003	University of Oregon colloquium
	University of Oregon, algebra seminar
2004	University of Georgia colloquium
	University of Georgia, algebra seminar
2005	Princeton University, algebra seminar

- University of Pennsylvania, algebra seminar
- Kansas State “Spenser Lecture”
- Kansas State, algebra seminar
- University of Illinois, Chicago colloquium
- 2006 University of Washington colloquium
- University of Washington, topology seminar
- University of Southern California, colloquium

**University Committees:**

- 1980–81 Research Policy Advisory Committee
- 1981–82 Leland Forum Committee (C.A.S.)
- 1981,83 Scholarship Selection Committee (C.A.S.)
- 1983–85 Klopsteg Lecture Committee
- 1984–87 General Faculty Committee
- 1986–90 Expanded Budget Committee (C.A.S.)
- 1984–7,90 Faculty/Staff Benefits Committee, Chairman 1986–87
- 1987–90 Budget Resources Advisory Committee
- 1989,92 Ad Hoc Committee concerning Smoking in Norris Center
- 1989–90 University Library Committee
- 1991–94 Promotion and Tenure Committee (C.A.S.)
- 1992– Fellowship Selection Committee
- 1996–97 Student Information Services Oversight Committee
- 1997 Program Review Council (Chair, Law School review)
- 1998 Program Review Council (Chair, Admin & Plan review)
- 2000 Provost’s committee on cross-school hiring initiatives
- 2002 Dean’s committee on promotion and tenure procedures
- 2003 Program Review Council (Chair, Graduate School review)
- 2004, 05 Orientation program for new Chairs
- 2007– Arts&Sci Division I representative on Budget Committee

**Service as advisor:**

The following students completed their Ph.D under my direction:

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

2006      Jeremiah Heller, Ph.D Northwestern  
2007      Mircea Voinegeau, Ph.D Northwestern

### **Publications:**

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

### **Papers**

1. Fibrations in etale 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 etale 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  $\Gamma$ -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  $K_*(Z/p^2Z)$  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., 4e Serie, t. 15 (1982), 231–256.
20. (with W. Dwyer, V. Snaithe and R. Thomason) Algebraic  $K$ -theory eventually surjects onto topological  $K$ -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.* 4<sup>e</sup> 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<sup>e</sup> 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. Intersection products for spaces of algebraic cycles. in *Recent Progress of Intersection Theory*, Birkhauser 2000, 217-237.
68. Bloch-Ogus properties for topological cycle theory, *Annales Ec. Norm Sup.* **33** (2000), 57-65.
69. Relative Chow correspondences and the Griffiths group, *Annales de l'Institut Fourier* **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 Journal of Math* **123** (2001), 779-810.
72. (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.
73. (with M. Walker) Some remarks concerning mod- $n$   $K$ -theory, *Inventiones Math* **145** (2001), 545-555.
74. (with M. Walker) Semi-topological  $K$ -theory using function complexes, *Topology* **41** (2002), 591-644.
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 II (2005), 877-924.
82. (with H.B. Lawson) Graph mappings and Poincare duality. Under revision for Math Annalen.
83. (with J. Pevtsova) II-supports for modules for finite group schemes over a field. To appear in the Duke Journal
84. (with V. Franjou) Cohomology of Bifunctors. To appear in the Proceedings of the London Mathematical Society.
85. (with J. Pevtsova and A. Suslin), Generic and maximal Jordan types. Recommended for acceptance in Inventiones Math.
86. (with J. Carlson and J. Pevtsova), Modules of constant Jordan type. To appear in Crelle.

### Monographs

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

### Edited volumes

- i. (with M. Stein), Algebraic K-theory, Evanston 1980, Springer Lecture Notes 854.
- ii. Special volume of Journal of Pure and Applied Algebra, 1984.
- iii. (with S. Bloch, R.K. Dennis and M. Stein), Applications of Algebraic K-theory to Algebraic Geometry and Number Theory, Contemporary Math. 55.
- iv. (with M. Mahowald), Topology and Representation Theory, Contemporary Math. 158.
- v. (with D. Grayson), Handbook of K-theory, Vol 1, 2. Springer-Verlag, 2005.