CURRICULUM VITAE

H. Blaine Lawson, Jr.

BORN: January 4, 1942, Norristown, PA

EDUCATION:

Sc.B.–A.B. Applied Mathematics – Russian Literature, Brown University	1964
M.S. Mathematics, Stanford University	1966
Ph.D. Mathematics, Stanford University	1968
Advisor: Robert Osserman	

FULL-TIME TEACHING AND RESEARCH POSITIONS

University of California, Berkeley (Lecturer)	1968-70
University of California, Berkeley (Asst. Prof.)	1970-71
University of California, Berkeley (Assoc. Prof.)	1971-75
University of California, Berkeley (Professor)	1975 - 80
University of California, Berkeley (Assistant Dean)	1974-77
State University of New York, Stony Brook, (Professor, Chairman, 89-91)	1978-87
State University of New York, Stony Brook, (Leading Professor)	1987 - 93
State University of New York, Stony Brook, (Distinguished Professor, Co-Chair 1995-96)	1993

EXTENDED VISITING POSITIONS:

Instituto de Matematica Pura e Aplicada	(Aug. '70 — Dec. 70)
Institute for Advanced Study, Princeton	(Sept. '72. — June '73)
Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette	(Sept. '77. — June '78)
Ecole Polytechnique, Paris	(Sept. '83. — June '84)
Research Institute for Math. Sciences, Kyoto	(Sept. $'86 - Nov. '86$)
Tata Inst. for Fundamental Resarch, Bombay	(Dec. '86 Jan. '87)
Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette	(Jan. '93 June '93)
Mathematical Sciences Research Institute, Berkeley	(Sept. '93 Jan. '94)
Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette	(Sept. '99 July '00)
Institut Henri Poincaré, Paris	(Dec. '03 — Jan. '04)
Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette	(Sept. '07. — Dec '07)
Institute for Advanced Study, Princeton	(Feb. '09)

HONORS:

Sloan Research Fellow	1970-73
Leroy P. Steele Prize (A.M.S.)	1975
Guggenheim Fellow	1983-84
Fellow of the Japan Society for Promotion of Sciences, Kyoto	1986
Addresses to the International Congress of Mathematicians	1974, 1994
Hardy Lecturer of the London Mathematical Society	1991
Aisenstadt Chair, CRM, Montreal	1995
National Academy of Sciences	1995
Brazilian Academy of Sciences	1999
American Academy of Arts and Sciences	2013

SOME MAJOR ADDRESSES:

Principal Speaker: AMS Regional Conference on foliations197Marston Morse Memorial Lecturer, I.A.S., Princeton198Principal Lecturer: DD2 Symposium, Shanghai and Hefei198M. B. Porter Lecturer, Rice University198Principal Speaker: AMS Regional Conference on Gauge Field Theory199Mathematical Society of Denmark198Mathematical Society of Switzerland199Bourbaki Seminar, Paris198College of Science Lecturer, Notre Dame198Canadian Mathematical Society199Hermann Weyl Symposium198Rufus Bowen Lecturer, Berkeley199Jacqueline B. Lewis Memorial Lectures, Rutgers199do Carmo Symposium, I.M.P.A.199René Thom Symposium, Paris199Principal Lecturer at A.M.S. Summer Institutes:197Differential Geometry197Geometric Measure Theory198Uon Neumann Symposium, MSRI200The Bruce Reinhart Memorial Symposium, Maryland198The Gergen Memorial Lectures, Duke199The Rademacher Lecturer, University of Pennsylvania199Steture Series at UNAM, Mexico, 60th Anniversary200IMPA, 50th Anniversary Conference200Plenary Lecture Series, Institute for Advanced200International Congress of Mathematicians200International Congress of Mathematicians200International Congress of Mathematicians200International Congress of Mathematicians200International Congress of Mathematicians200	A.M.S. Winter Meeting	1972
Marston Morse Memorial Lecturer, I.A.S., Princeton198Principal Lecturer: DD2 Symposium, Shanghai and Hefei198M. B. Porter Lecturer, Rice University198Principal Speaker: AMS Regional Conference on Gauge Field Theory198Mathematical Society of Denmark198Mathematical Society of Switzerland198Bourbaki Seminar, Paris198College of Science Lecturer, Notre Dame198Canadian Mathematical Society198Hermann Weyl Symposium198Hacqueline B. Lewis Memorial Lectures, Rutgers198Jacqueline B. Lewis Memorial Lectures, Rutgers198Jacqueline B. Lewis Memorial Lectures, Rutgers198Principal Lecturer at A.M.S. Summer Institutes:197Differential Geometry197Several Complex Variables197Geometric Measure Theory198Von Neumann Symposium, MSRI200The Bruce Reinhart Memorial Symposium, Maryland198The Gergen Memorial Lectures, Duke199The Rademacher Lecturer, University of Pennsylvania199The Hardy Lecturer, The London Mathematical Society199International Congress of Mathematicians199Aisenstadt Lecture, Complex Variables and Dynamics200Plenary Lecture, Washington University, St. Louis, 150th Anniversary200IMPA, 50th Anniversary Conference200Plenary Lecture Series, Institute for Advanced Study200Prontiers Lectures, Exas A and M200Rouse Ball Lecture, Cambridge University, England201	International Congress of Mathematicians	1974
Principal Lecturer: DD2 Symposium, Shanghai and Hefei198M. B. Porter Lecturer, Rice University198Principal Speaker: AMS Regional Conference on Gauge Field Theory198Mathematical Society of Denmark198Mathematical Society of Denmark198Bourbaki Seminar, Paris198College of Science Lecturer, Notre Dame198Canadian Mathematical Society198Hermann Weyl Symposium198Rufus Bowen Lecturer, Berkeley198Jacqueline B. Lewis Memorial Lectures, Rutgers198René Thom Symposium, I.M.P.A.198René Thom Symposium, Paris199Principal Lecturer at A.M.S. Summer Institutes:197Several Complex Variables197Geometric Measure Theory198Von Neumann Symposium, MSRI200The Bruce Reinhart Memorial Symposium, Maryland198The Gergen Memorial Lectures, Duke199The Rademacher Lecturer, University of Pennsylvania199Aisenstadt Lecturer, CRM, Montreal199Lecture Series at UNAM, Mexico, 60th Anniversary200IMPA, 50th Anniversary Conference200Plenary Lecture, Washington University, St. Louis, 150th Anniversary200IMPA, 50th Anniversary Conference200Pistinguished Lecture Series, Institute for Advanced Study200Noted Lecture Series, Institute for Advanced Study200Route Lecture, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	Principal Speaker: AMS Regional Conference on foliations	1974
M. B. Porter Lecturer, Rice University 198 Principal Speaker: AMS Regional Conference on Gauge Field Theory 198 Mathematical Society of Denmark 198 Mathematical Society of Switzerland 198 Bourbaki Seminar, Paris 198 College of Science Lecturer, Notre Dame 198 Canadian Mathematical Society 198 Hermann Weyl Symposium 198 Rufus Bowen Lecturer, Berkeley 199 Jacqueline B. Lewis Memorial Lectures, Rutgers 198 do Carmo Symposium, I.M.P.A. 198 Principal Lecturer at A.M.S. Summer Institutes: 197 Differential Geometry 197 Several Complex Variables 197 Geometric Measure Theory 198 Von Neumann Symposium, MSRI 200 The Bruce Reinhart Memorial Symposium, Maryland 198 The Gergen Memorial Lectures, Duke 199 The Rademacher Lecturer, University of Pennsylvania 199 The Hardy Lecturer, The London Mathematical Society 199 International Congress of Mathematicians 199 Aisenstadt Lecture, CRM, Montreal 199 Lecture Series at UNAM, Mexico, 60th Anniv	Marston Morse Memorial Lecturer, I.A.S., Princeton	1981
Principal Speaker: AMS Regional Conference on Gauge Field Theory198Mathematical Society of Denmark198Mathematical Society of Switzerland198Bourbaki Seminar, Paris198College of Science Lecturer, Notre Dame198Canadian Mathematical Society198Hermann Weyl Symposium198Rufus Bowen Lecturer, Berkeley198Jacqueline B. Lewis Memorial Lectures, Rutgers198do Carmo Symposium, I.M.P.A.198René Thom Symposium, Paris199Principal Lecturer at A.M.S. Summer Institutes:197Differential Geometry197Several Complex Variables197Geometric Measure Theory198Von Neumann Symposium, MSRI200The Bruce Reinhart Memorial Symposium, Maryland198The Gergen Memorial Lectures, Duke199The Rademacher Lecturer, University of Pennsylvania199International Congress of Mathematicians199International Congress of Mathematicians199Lecture Series at UNAM, Mexico, 60th Anniversary200Plenary Lecture, Washington University, St. Louis, 150th Anniversary200Plenary Lecture, Washington University of Wisconsin200Distinguished Lecture Series, University of Wisconsin200Rouse Ball Lecture, Cambridge University, England201Rouse Ball Lecture, Cambridge University, England201	Principal Lecturer: DD2 Symposium, Shanghai and Hefei	1981
Mathematical Society of Denmark198Mathematical Society of Switzerland198Bourbaki Seminar, Paris199College of Science Lecturer, Notre Dame198Canadian Mathematical Society198Hermann Weyl Symposium198Jacqueline B. Lewis Memorial Lectures, Rutgers198do Carmo Symposium, I.M.P.A.198René Thom Symposium, Paris198Principal Lecturer at A.M.S. Summer Institutes:197Differential Geometry197Several Complex Variables197Geometric Measure Theory198Von Neumann Symposium, MSRI200The Bruce Reinhart Memorial Symposium, Maryland198The Gergen Memorial Lectures, Duke199The Rademacher Lecturer, The London Mathematical Society199International Congress of Mathematicians199Lecture, CRM, Montreal199Lecture, Reinsary Conference200Plenary Lecture, Washington University, St. Louis, 150th Anniversary200MDA, 50th Anniversary Conference200Plenary Lecture, Series, University of Wisconsin200Address, Oxford University200Distinguished Lecture Series, University of Wisconsin200Rouse Ball Lecture, Cambridge University, England201Rouse Ball Lecture, Cambridge University, England201	M. B. Porter Lecturer, Rice University	1982
Mathematical Society of Switzerland198Bourbaki Seminar, Paris198College of Science Lecturer, Notre Dame198Canadian Mathematical Society198Hermann Weyl Symposium198Rufus Bowen Lecturer, Berkeley198Jacqueline B. Lewis Memorial Lectures, Rutgers198do Carmo Symposium, I.M.P.A.199René Thom Symposium, Paris198Principal Lecturer at A.M.S. Summer Institutes:197Several Complex Variables197Geometric Measure Theory198Von Neumann Symposium, MSRI200The Bruce Reinhart Memorial Symposium, Maryland198The Gergen Memorial Lectures, Duke199The Rademacher Lecturer, University of Pennsylvania199International Congress of Mathematicians199Aisenstadt Lecturer, CRM, Montreal199Lecture Series at UNAM, Mexico, 60th Anniversary200Plenary Lecture, Washington University, St. Louis, 150th Anniversary200Mirpha, 50th Anniversary Conference200Plenary Lecture Series, University of Wisconsin200Mirpha, Sord University200Distinguished Lecture Series, University of Wisconsin200Invited Lectures Series, Institute for Advanced Study200Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	Principal Speaker: AMS Regional Conference on Gauge Field Theory	1983
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Plenary Lecture, Washington University, St. Louis, 150th Anniversary200IHP Symposium on Several Complex Variables and Dynamics200Address, Oxford University200Distinguished Lecture Series, University of Wisconsin200Invited Lecture Series, Institute for Advanced Study200Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	Lecture Series at UNAM, Mexico, 60th Anniversary	2002
IHP Symposium on Several Complex Variables and Dynamics200Address, Oxford University200Distinguished Lecture Series, University of Wisconsin200Invited Lecture Series, Institute for Advanced Study200Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	IMPA, 50th Anniversary Conference	2003
Address, Oxford University200Distinguished Lecture Series, University of Wisconsin200Invited Lecture Series, Institute for Advanced Study200Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201		2004
Distinguished Lecture Series, University of Wisconsin200Invited Lecture Series, Institute for Advanced Study200Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	IHP Symposium on Several Complex Variables and Dynamics	2004
Invited Lecture Series, Institute for Advanced Study200Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	Address, Oxford University	2007
Frontiers Lectures, Texas A and M200Rouse Ball Lecture, Cambridge University, England201	Distinguished Lecture Series, University of Wisconsin	2008
Rouse Ball Lecture, Cambridge University, England 201	Invited Lecture Series, Institute for Advanced Study	2009
		2009
Principal Lecturer, Surveys in Geometry, Harvard University 201	Rouse Ball Lecture, Cambridge University, England	2010
	Principal Lecturer, Surveys in Geometry, Harvard University	2011

SOME PROFESSIONAL SERVICE APPOINTMENTS:

Chairman, National Committee for Mathematics Vice President, A. M. S. Member of the Council, A.M.S. Trustee, Mathematical Sciences Research Institute Blue Ribbon Panelist, P.Y.I. Awards Editor: Topology Editor: Journal of Differential Geometry Editor: Journal of the A.M.S. (Chair, 1994) Editor: Bulletin of the Brazilian Math. Soc. Assoc. Editor: Annals of Mathematics Assoc. Editor: Princeton Mathematical Series Assoc. Editor: Pitman Mathematical Series Organizer of mathematical meetings: Summer Institute in Differential Geometry JDG Meeting: "Surveys in Geometry" at Harvard Geometry Festivals at Stony Brook MSRI Workshop in Geometry International Meeting on the Dirac Operator, Luminy Milnor Symposium at Stony Brook Organizer of year-long program in Geometry at M.S.R.I., 1993-94 Organizer of Symposium: Connections in Mathematics and Physics, Stony Brook, 1998 Committees of The International Congress of Mathematicians, 1985, 1989, 1993, 2001. Co-Director U.S.-Brazilian Mathematical Exchange Program 1982-98. Vice President of the American Mathematical Society 1997-2000. Oversight and Review Committee for: Institute for Advanced Study (2002) Mathematics Directorate of NSF (2003) Instituto de Matematica Pura e Aplicada (2003)

Member of Fields Medal Selection Committee, 2002.

Ph.D. Thesis Students (graduated):

1. Wu-Hsiung Ushi Huang	1970
2. Shing-Tung Yau	1971
3. William Meeks	1975
4. Jonathan Sacks	1975
5. Robert Uomini	1976
6. Doris Fischer-Colbrie	1978
7. Walter Wei	1980
8. Michael Anderson	1981
9. Sebastiao Carneiro Almeida	1983
10. Zhiyong Gao	1984
11. Rodney Carr	1984
12. Gary Kerbaugh	1985
13. Ji-Ping Sha	1986
14. Bonaventure Loo	1987
15. Marcello Llarull	1988
16. Freddie Santiago	1988
17. Haiwan Chen	1989
18. Paulo Lima-Filho	1989
19. T. K. Lam	1990
20. Javier Elizondo	1992
21. Pawel Gajer	1993
22. Robert Stingley	1995
23. Sunil Nair	1996
24. Carlos Marques	1997
25. Janko Latschev	1998
26. Pedro dos Santos	1999
27. Sergei Panafidin	2003
28. Ionut Chiose	2004
29. Jyh-Haur Teh	2005
30. Zhaohu Nie	2005
31. Wenchuan Hu	2006
32. Ibrahim Unal	2007
33. Luis Lopez	2007
34. Andrew Clarke	2008
35. Ning Hao	2008
36. Pedro Solórzano	2011
37. Yongsheng Zhang	2013
38. Steve Gindi	2014
39. Xuan Chen	2017

BIBLIOGRAPHY

- [1] Stretching phenomena in mappings of spheres, Proceedings of the American Mathematical Society **19** (1968), 433-435.
- [2] Local rigidity theorems for minimal hypersurfaces, Annals of Mathematics 89 (1969), 187-197.
- [3] Compact minimal surfaces in S³, pp. 275-282 in Proceedings of Symposia in Pure Mathematics 15, Global Analysis, A. M. S., Providence, 1970.
- [4] The global behavior of minimal surfaces in S^n , Annals of Mathematics, **92** (1970), 224-262.
- [5] Complete minimal surfaces in S^3 , Annals of Mathematics, **92** (1970), 335-374.
- [6] The unknottedness of minimal embeddings, Inventiones Math. 11 (1970), 183-187.
- [7] The Riemannian geometry of holomorphic curves, Carolina Conference Proceedings, Holomorphic Mappings and Minimal Surfaces, Chapel Hill, North Carolina (1970), 86-107.
- [8] Rigidity theorems in rank-1 symmetric spaces, Joural of Differential Geometry, 4 (1970), 349-357.
- [9] Codimension-one foliations of spheres, Bulletin of A. M. S. 77 (1971), 437-438.
- [10] Some intrinsic characterizations of minimal surfaces, Journal d'Analyse Mathematique 24 (1971), 151-161.
- [11] Minimal submanifolds of low cohomogeneity (with Wu-yi Hsiang), Journal of Differential Geometry 5 (1971), 1-38.
- [12] Codimension-one foliations of spheres, Annals of Mathematics 94 (1971), 494-503.
- [13] Spherical images of convex surfaces, Proceedings of the American Mathematical Society 31 (1972), 635-636.
- [14] Fibered knots and foliations of highly connected manifolds (with Alan H. Durfee), Inventiones Mathematicae 17 (1972), 203-215.
- [15] Compact manifolds of non-positive curvature (with S.T. Yau), Journal of Differential Geometry 7 (1972), 211-228.
- [16] The equivariant Plateau problem and interior regularity, Transactions of the American Mathematical Society 173 (1972), 231-249.
- [17] Lectures on Minimal Submanifolds, I.M.P.A. Press, Rio de Janeiro, 1973.
- [18] On stable currents and their application to global problems in real and complex geometry (with James Simons), Annals of Mathematics 98 (1973), 427-450.
- [19] Boundaries of complex analytic varieties (with F. Reese Harvey), Bull. A. M. S. 80 (1974), 180-184.
- [20] Minimal Varieties in Real and Complex Geometry, Les Presses de L'Universite de Montreal, 1974.
- [21] Transgressions, Chern-Simons invariants and the classical groups (with James L. Heitsch), Journal of Differential Geometry, 9 (1974), 423-434.
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