

LIST OF PUBLICATIONS

1. (Ed., with J. Marsden and T. Lance), *Choquet's Lectures on Analysis*, 3 vol., W.A. Benjamin, Inc., New York, 1969.
2. Fourier Analysis on $GL(n, R)$, *Proc. Nat. Acad. Sci. U.S.A.* **65** (1970), 14-18.
3. Fourier Analysis on Matrix Space, *Memoirs Amer. Math. Soc.*, No. 108, 1971.
4. Harmonics on Stiefel Manifolds and Generalized Hankel Transforms, *Bull. Amer. Math. Soc.* **78** (1972), 451-455.
5. Holomorphic discrete series for the real symplectic group, *Inventiones Mathematicae* **19** (1973), 49-58.
6. A theory of Stiefel harmonics, *Trans. Amer. Math. Soc.* **192** (1974), 29-50.
7. Automorphic Forms and Representations of Adele Groups, Mimeo-graphed Notes, Cornell University, Spring 1972; redistributed, in revised form, in the *University of Chicago Lecture Note Series in Representation Theory*, Fall 1974.
8. Bessel Functions, Representation Theory, and Automorphic Functions, in *Proc. Symp. Pure Math.* **26**, American Mathematical Society, Providence, R.I., 1973, 343-345.
9. An Example in the Theory of Automorphic Forms, in *Proc. Symp. Pure Math.* **26**, American Mathematical Society, Providence, R.I., 1973, 437-439.
10. Introduction to the Theory of Group Representations, in *Seminaire Choquet: Initiation a l'analyse*, 11e-12e annees 1971-1973, No. 4; Paris, France.
11. The Spectral Decomposition of $L^2(T G)$, in *Seminaire Choquet: Initiation a l'analyse*, 11e-12e annees 1971-1973, No. 4; Paris, France.
12. *Automorphic Forms on Adele Groups*, Annals of Mathematics Studies, No. 83, Princeton University Press, 1975.
13. (with P.J. Sally), Intertwining Operators and Automorphic Forms for the Metaplectic Groups, *Proc. Nat. Acad. Sci. U.S.A.* **72**, No. 4 (1975), 1406-1410.
14. Weil's Representation and the Spectrum of the Metaplectic Group, *Lecture Notes in Mathematics*, No. 530, Springer-Verlag, Berlin, 1976.
15. Elliptic Curves and Automorphic Representations, *Adv. Math.* **21**, No. 3, (1976), 235-292.
16. (with H. Jacquet), A Relation between Automorphic Forms on $GL(2)$ and $GL(3)$, *Proc. Nat. Acad. Sci. U.S.A.* **73**, No. 10 (1976), 3348-3350.
17. Automorphic Forms and Artin's Conjecture, in *Modular Functions of One Variable VI*, Lecture Notes in Mathematics **627**, Springer-Verlag (1977), 241-276.
18. (with H. Jacquet), A Relation Between Automorphic Representations of $GL(2)$ and $L(3)$, *Ann. Ec. Norm. Sup.*, 4e serie, t.11 (1978), 471-542.
19. (with H. Jacquet), Forms of $GL(2)$ from the analytic point of view, in *Proceedings of Symposia in Pure Mathematics (Automorphic Forms, Representations, and L-functions)*, A.M.S., Providence, R.I. 1979, Part I, 213-251.

20. (with I.I. Piatetski-Shapiro), Automorphic L-functions of half integral weight, *Proc. Nat. Acad. Sci. U.S.A.* **75**, No. 4 (1978), 1620-1625
21. Examples of dual reductive pairs, in *Proc. Symp. Pure Math.* **33**, A.M.S., Providence, R.I., 1979, Part 1, 287-296.
22. (with R. Howe and I.I. Piatetski-Shapiro), Existence and uniqueness of Whittaker models for the metaplectic group, *Israel J. Math.* **34**, Nos. 1-2 (1979), 97-126.
23. (with I.I. Piatetski-Shapiro), On Shimura's Correspondence for Modular Forms of Half-Integral Weight, *Proceedings of the Colloquium on Automorphic Forms, Representation Theory, and Arithmetic*, Bombay 1979, Tata Institute of Fundamental Research Studies in Mathematics, No.10, Springer-Verlag, Berlin (1981), 1-39.
24. with I.I. Piatetski-Shapiro), Distinguished representations and modular forms on half- integral weight, *Inventiones Mathematicae* **59** (1980), 145-188.
25. (with A. W. Knapp), Irreducible Constituents of Principal Series of $SL_n(k)$, *Duke Math. J.* **48**, No. 2 (1981), 313-326.
26. (with A.W. Knapp), L-indistinguishability and R-groups for the special linear group, *Adv. Math.* **43**, No. 2 (1982), 101-121.
27. L-packets for SL_n , in *Proceedings of the 1980 Canadian Mathematical Society Summer Seminar on Harmonic Analysis and its Applications to Number Theory*, C.M.S. A.M.S., Vol. 1, Providence, R.I., 1981, 69-77.
28. (with I.I. Piatetski-Shapiro), Some Remarks on Metaplectic Cusp Forms and the Correspondence of Shimura and Walspurger, *Israel J. Math.* **44**, No. 2 (1983), 97-126.
29. (with I.I. Piatetski-Shapiro), Automorphic Forms and L-Functions for the Unitary Group, in *Lie Group Representations II, Proceedings*, University of Maryland, 1982-83, Lecture Notes in Mathematics **1041**, Springer-Verlag, 1984, 141-184.
30. An Elementary Introduction to the Langlands Program, *Bull. A.M.S.* **10**, No. 2 (1984), 177-220.
31. (with I.I. Piatetski-Shapiro), L-functions for $G \times GL(n)$, pages 53-136 of *Explicit Constructions of Automorphic L-functions*, Lecture Notes in Mathematics **1254**, Springer-Verlag, New York, 1987.
32. (with I.I. Piatetski-Shapiro and S. Rallis), Appendix to L-functions for $G \times GL(n)$, Lecture Notes in Mathematics **1254**, Springer-Verlag, New York, 1987.
33. (with D. Soudry), On Whittaker models and the vanishing of Fourier co-efficients of cusp forms, in *Proc. Indian Acad. Sci. (Math. Sci.)* **97** (Ramanujan Birth Centenary Volume), Nos.1-3, Dec. 1987, 67-74.
34. (with F. Shahidi), Analytic Properties of Automorphic L-functions, *Perspectives in Math.* **6**, Academic Press, Boston, 1988.
35. Recent Results on Automorphic L-functions, in: *Number Theory, Trace Formula and Discrete Groups*, Proceedings of the Symposium in honor of A. Selberg, Oslo 1987, Academic Press, 1989, 265-280.
36. (with J. Arthur), Lectures on Automorphic L-functions, in: *L-Functions and arithmetic*, Proceedings of the 1989 Durham Symposium, Cambridge University Press, 1991, 1-59.

37. (with J. Rogawski), Exceptional Representations and Shimura's Integral for the Local Unitary Group $U(3)$, *Israel Math. Conf. Proc.* **2** (1990), 19-75.
38. (with J. Rogawski), L-functions and Fourier-Jacobi coefficients for the unitary group $U(3)$, *Inventiones Mathematicae* **105** (1991), 445-472.
39. Automorphic Forms and Artin's Conjecture, II, *Mitteilungen der Mathematischen Gesellschaft in Hamburg*, 1992.
40. Arithmetic, Zeta-functions and Automorphic Forms, *La Gazette des Sciences Mathematiques du Quebec*, **XV**, N.1, Nov. 1992.
41. On Theta-Series Liftings for Unitary Groups, *Theta-Functions: From the Classical to the Modern*, Lectures presented at the CRM special year in Automorphic Forms, Montreal, 1991-1992, *Amer. Math. Soc.*, Providence 1993.
42. (with J. Rogawski and D. Soudry), On Periods of Cusp Forms and Algebraic Cycles for $U(3)$, *Israel J. of Math.* **83** (1993), 213-252.
43. (with J. Rogawski and D. Soudry), On the Genericity of Endoscopic L-packets on $U(3)$, preprint, 1992.
44. (with J. Rogawski and D. Soudry), Periods of Cusp Forms and L-packets, *Comptes Rendus Acad. Sci. Paris*, t. 317, Serie I, p. 717-722, 1993.
45. Lectures on the Arthur-Selberg trace formula, MSRI Preprint No.. 041- 95, 1995, later *University Lecture Series* **9**, American Mathematical Society, 1996.
46. The Schur Lectures 1992, edited by I.I. Piatetski-Shapiro and S. Gelbart, *Israel Math. Conf. Proc.*, No.8, distributed by the AMS, Providence, 1995, 236.
47. On the modularity of $\bar{\rho}_{E,3}$ and the Langlands Reciprocity Conjecture, in *Fermat's Last Theorem*, Boston Univ. Conference 1995, Springer-Verlag, 1997.
48. (with J. Rogawski and D. Soudry), Endoscopy and theta-liftings for the unitary group in three variables, *Ann. of Math.* **145** (1997), 419-476.
49. (with S. Friedberg, H. Jacquet and J. Rogawski), Représentations gnriques du groupe unitaire trois variables, *C.R. Acad. Sci. Paris*, t. 329, Serie 1, (1999), 255-260.
50. Selected Works of I.I. Piatetski-Shapiro, edited by J. Cogdell, S. Gindinkin P. Sarnak, P. Deligne, S. Gelbart, R. Howe and S. Rallis, AMS, Providence RI, 821.
51. (with F Shahidi), Boundedness of automorphic L-functions in vertical strips, *J. AMS* **14** (2001), No. 1, 79-107.
52. (with H. Jacquet and J. Rogawski), Generic representations for the unitary group in three variables, *Israel J. Math.* **126** (2001), 173-238.
53. Selberg Conjecture, in *Encyclopaedia of Mathematics*, Supplement III, Kluwer Academic Publishers, 351-353, 2002.
54. Letter of Appreciation; Joe Shalika and the Fine Hall days, 1968-1971, Shalika Fest, *Amer. J. of Math.*, 2004.
55. (with J. Bernstein), Editors, *An Introduction of the Langlands Program*, Birkhauser, Boston, 281 pages, 2003.

56. (with S. Miller), Riemann's Zeta Function and Beyond, *Bull. Amer. Math. Soc.* **41** (2004), No. 1, 59-112.
57. (with E. Lapid and P. Sarnak), A new method for lower bounds of functions, *Comptes Rendues Acad. Sci. Paris*, Ser. I. 339 (2004), 91-94.
58. (with E. Lapid) , Lower Bounds for L-functions at the Edge of the Critical Strip, *Amer. J. Math.* **128** (2006), No. 3, 619-638.
59. When is an L -function non-vanishing in part of the critical strip? *Harmonic analysis, group representations, automorphic forms and invariant theory*, 73-87, Lect. Notes Ser. Inst. Math. Sci. Natl. Univ. Singap., 12, World Sci. Publ., Hackensack, 2007.
60. Class Field Theory, the Langlands Program, and Its Application to Number Theory, in *Automorphic Forms and the Langlands Program*, Editors L. Ji, K. Liu, S-T. Yau, Z-J. Zheng, *Advanced Lectures in Mathematics*, Higher Education Press, pp. 21-67, 2009.

Selected Invited Talks (Partial listing)

- Colloquium, Yale University, 1972.
- Analysis Seminar, Princeton, 1975.
- Colloquium, Brandeis-Harvard-MIT, 1975.
- U.S.-Japan Conference on Modular Forms, Ann Arbor, 1975.
- Bonn Conference on Modular Forms, 1976.
- Colloquium, Columbia University, 1977.
- Principal Lecture Series at AMS Summer Institute on Automorphic Forms, 1977.
- Algebra Seminar, Princeton, 1978.
- International Conference on Automorphic Forms, Representation Theory and Arithmetic, Tata Institute, Bombay, 1979.
- MIT-Harvard-Brandeis Colloquium, 1979.
- Lecture Series, University of Maryland Special Year on Lie Group Representations, 1982.
- Conference on Automorphic Forms and L-Functions, Purdue, 1985.
- Conference in Number Theory in honor of A. Selberg, Oslo, June, 1987.
- Hecke Symposium, Hamburg, Sept. 1987.
- Durham Number Theory Conference, July 1989.
- 300th Anniversary of the Mathematischen Gesellschaft in Hamburg, March 1990.
- Universite de Paris VII, June 1990.
- Lecture Series (on Theta-functions), CRM, Montreal, Fall 1991.
- Universite de Paris VII, 1993
- Princeton University, 1993.
- Workshop on New Vistas in Automorphic Forms, MSRI, 1995.
- Conference on Fermat's Last Theorem, Boston Univ., 1995.
- Colloquium, Berkeley, 1997.
- Colloquium, University of Beijing and Fudan University of Shanghai, China Colloquium, University of Hong Kong, 1999.
- Colloquium, Cornell University, 1999.
- Colloquium, University of Toronto, 2000.
- Lecture Series, University of Hong Kong, 2000.
- Lecture, University of Paris, 2000.
- Lecture, Hangchou Symposium, 2001.
- Lecture Series, Singapore December 2002 - January 2003.
- Lecture, Fields Institute, March 2003.
- Lecture, University of Paris at Orsay, April 2003.
- Lecture, Max-Planck Institute - Bonn, December 2003.
- Lecture, Lie Group Seminar, Yale, September 2004.
- Lecture Number Theory Seminar, UCLA, October 2004.

- Special Lecture, Princeton Math. Dept., December 2004.
- Lecture, Purdue University, 2005.
- Lecture, Howe 60th Birthday Conference, Singapore, January 2006.
- Colloquium Lecture, University of British Columbia, September 2006.
- Lecture, Shahidi 60th Birthday Conference, Purdue, 2007.
- Colloquium talk, Brno-Prague-Vienna Symposium, October 2007.
- Number Theory Seminar, University of Pennsylvania, 2009.
- Conference on Riemann Zeta-functions, Seoul, 2009.