

TEL AVIV UNIVERSITY

School of Mathematics

Moshe Jarden

The Cissie & Aaron Beare Chair in
Algebra and Number Theory



אוניברסיטת תל אביב

בית הספר למתמטיקה

משה ירדן

הקתדרה ע"ש סיסי ואהרון בר
באלגברה ותורת המספרים

18 September, 2002

CURRICULUM VITAE

Born: 23 August, 1942, Tel Aviv, Israel

Army Service: 1960–1962

Marital status: Married + 4

Education

1962–1965 B.Sc. Hebrew University, Jerusalem

1965–1967 M.Sc. Hebrew University, Jerusalem

Thesis: *Dirichlet's convolution of arithmetical functions*

Advisor: Prof. S. A. Amitsur

1967–1970 Ph.D. Hebrew University, Jerusalem

Thesis: *Rational points of algebraic varieties over large algebraic fields*

Advisor: Prof. H. Furstenberg

1972 Habilitation. Heidelberg University

Habilitationschrift: *Model theory methods in the theory of fields*

Professional experience

1965–1967 Teaching Assistant, Hebrew University

1967–1969 Assistant, Hebrew University

1969–1971 Instructor, Hebrew University

1971–1973 Post doc, Heidelberg University

1973–1974 Dozent, Heidelberg University

1974–1978 Senior Lecturer, Tel Aviv University

1978–1982 Associate Professor, Tel Aviv University

1982– Professor, Tel Aviv University

Active participation in scientific meetings

1973 *Algebre et Logique*, Mons, Belgium

1973 *Algebraische Zahlentheorie*, Oberwolfach, W. Germany

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Ramat Aviv 69978, Tel Aviv, Israel רמת אביב, תל אביב 69978

- 1975 Algebraische Zahlentheorie, Oberwolfach, W. Germany
- 1977 Anwendungen der Modelltheorie auf der Zahlentheorie, Oberwolfach, W. Germany
- 1979 Midwest Model Theory Seminar, Purdue, Indiana
- 1980 Journée d'Arithmétique, Exeter, England
- 1980 Gruppentheorie, Oberwolfach, W. Germany
- 1981 Modeltheory, Oberwolfach, W. Germany
- 1982 Modeltheory, Oberwolfach, W. Germany
- 1983 Group theory, Oberwolfach, W. Germany
- 1984 Algebraic Number Theory, Oberwolfach, W. Germany
- 1984 Logic, New York
- 1985 Representation theory and Number theory, Irsee, W. Germany
- 1986 Modeltheory, Oberwolfach, W. Germany
- 1986 Algebraic Number Theory, Oberwolfach, W. Germany
- 1987 Mid-Atlantic Mathematical Logic Seminar, Rutgers, New Jersey
- 1988 Midwest Model Theory conference, Urbana-Champaign, Illinois
- 1990 Model Theory of Fields, Oberwolfach, January
- 1990 Generators and relations in groups and geometries, Castelvecchio Pascoli, Italy
- 1990 Profinite groups, Oberwolfach, Germany
- 1990 Algebraic number theory, Oberwolfach, Germany
- 1990 The Arithmetic of Fields, Oberwolfach, Germany
- 1991 Profinite groups, Cartona, Italy
- 1992 Model theory, Luminy, France
- 1992 Algebraic number theory, Oberwolfach, Germany
- 1993 Conference on Field Arithmetic, Oberwolfach, Germany
- 1993 Annual convention of the Israeli Mathematical Union, Beer Sheva, Israel
- 1993 Conference on Recent developments in the inverse Galois problem, Seattle, Washington
- 1994 Conference on affine algebraic geometry, Technion, Haifa,
- 1994 Conference on Algebra and Model Theory, The Institute for Experimental Mathematics, Essen
- 1995 Amitsur Memorial Symposium, The Hebrew University, Jerusalem
- 1995 First Joint Meeting of the American Mathematical Society and the Israel Mathematical Union, The Hebrew University, Jerusalem
- 1996 Workshop on the Arithmetic of Covers, Lille
- 1997 Annual conference of the Israel Mathematical Union, Bar Ilan University
- 1997 Conference on Galois groups and coverings of curves, Oberwolfach
- 1997 Conference on number theory, METU, Ankara

- 1997 Conference on finite fields, Seattle
- 1997 Gentner-Symposium on Field Arithmetic, Tel Aviv
- 1998 Symposium on Groups and Probability, Hebrew University
- 1998 Conference on Field Arithmetic, Oberwolfach
- 1998 Conference on the Model Theory of Fields, Oberwolfach
- 1999 Amitsur Conference, The Hebrew University in Jerusalem
- 1999 Conference on Constructive Galois Theory, MSRI, Berkeley
- 1999 Conference on Hilbert 10th problem, Gent, Belgium
- 1999 Conference on arithmetical geometry, Essen, Germany
- 2000 Annual Meeting of the Israel Mathematical Union, Haifa University.
- 2000 Number theory meeting, Stellenbosch, South Africa
- 2001 Field Arithmetic meeting, Tel Aviv, Israel.
- 2001 Theorie de Galois et geometrie, Luminy, France.
- 2002 Conference on Field Arithmetic, Oberwolfach, Germany.
- 2002 Conference on Field Arithmetic, Beer Sheva, Israel.
- 2002 Conference on Galois Groups, Oberwolfach, Germany.
- 2002 Conference on Galois Theory, Gainesville, Florida.
- 2003 Hilbert's Tenth Problem, Mazur's Conjecture and Divisibility Sequences, Oberwolfach, Germany
- 2003 Field Arithmetic, Technion, Haifa
- 2003 Profinite groups and discrete subgroups, Oberwolfach, Germany
- 2004 From Arithmetic to Cryptography, Essen, Germany
- 2004 Christian U. Jensen Symposium: Algebra and Number Theory Copenhagen, Denmark
- 2005 Hilbert tenth's problem, Palo Alto, USA.
- 2005 Annual meeting of the Israel Mathematical Society, Neve Ilan, Israel.
- 2005 Workshop on profinite groups, Würzburg, Germany
- 2005 Workshop on profinite groups and applications, Ottawa, Canada.
- 2006 Workshop on valuation theory, Campinas, Brasil.
- 2006 Galois-Colloquium, Essen, Germany.

Academic and professional awards

- 1971–1973 Fellowship of Alexander von Humboldt-Stiftung in Heidelberg
- 1978 Grant from U.S.-Israel Binational Science Foundation for a research on *L-series and diophantine properties*
- 1979 Grant from Israel National Academy of Sciences for a research on *Torsion on abelian surfaces over fields of cofinite rank*

- 1979 Fellowship of Minerva Foundation in Heidelberg
- 1982 Grant from Israel National Academy of Sciences for a research on *Pseudo algebraically closed fields*
- 1983–1984 Member, Institute for Advanced Study, Princeton, New Jersey
- 1987 Landau Price for the book *Field Arithmetic*
- 1988 Grant from NSF
- 1987–1988 Member, Institute for Advanced Study, Princeton, New Jersey
- 1988–1992 Grant from German Israeli Foundation Development for a research on *Stable fields, Galois theory and arithmetic of large algebraic fields*
- 1993–1996 Grant from the Israel Academy of Sciences for a research on *The Arithmetic of Fields*
- 1996– Minkowski Center for Geometry supported by the Minerva-Foundation (jointly with N. Alon, J. Bernstein, V. Milman, and M. Sharir)
- 1998– Incumbent of the Cissie and Aaron Beare Chair in Algebra and Number Theory
- June, 2000 Member, Max-Planck-Institut für Mathematik, Bonn.
- 2000–2004 Scientific official of the Israeli node of the GTEM network.
- 2001 L. Meitner-A.v.Humboldt Research Prize.
- 2006–2010 Leader of the Israeli node of the GTEM network.

Special professional activities

- 1974– Member in the Israel Mathematical Society
- 1986–1988 Chairman of Israel Mathematical Society
- 1990 Organizer of a conference on Field Arithmetic in Oberwolfach
- 1991–1992 Organizer of a research group on the Arithmetic of Fields in the Institute for Advanced Studies, Jerusalem
- 1991– Editor of the Israel Journal of Mathematics
- 1993 Organizer of a conference on Field Arithmetic in Oberwolfach
- 1994 Organizer of a workshop on Field Arithmetic in the Institute for Advanced Studies, Jerusalem
- 1995 Organizer of the first joint meeting of the AMS and IMU
- 1998– Director of the Hermann Minkowski-Minerva Center for Geometry of Tel Aviv University
- 1999 Organizer of Gentner-Symposium in Tel Aviv University.
- 2002 Organizer of a conference on Field Arithmetic in Oberwolfach
- 2006 Organizer of a conference on Field Arithmetic in Oberwolfach

M.Sc. Students

- 1975 Wolfgang Litz, *Die Anzahl der rationalen Punkte von Varietaten*

- über einem endlichen Körper, Heidelberg University
- 1978 Dan Haran, *Galois stratification*, Tel Aviv University
- 1978 Gabriela Mundrer, *Elementarily equivalence of local fields*, Tel Aviv University
- 1982 Shmuel Isaac, *The structure of the group of units in local fields*, Tel Aviv University
- 1986 Ofer Comay, *Measures in Boolean spaces and in transformation spaces*, Tel Aviv University
- 1987 Monica Scheim, *The Galois group of the maximal p -extension of a p -adic field*, Tel Aviv University
- 1992 Aharon Razon, *Rumely's local global principle for integral points over large algebraic fields*, Tel Aviv University
- 2003 Michael Bensimhoun, *1. g -Hilbertian fields. 2. The Carlitz-Wan Conjecture*, Tel Aviv University.

Ph.D. Students

- 1974 Ursel Kiehne, *Elementare Theorie grosser algebraischer Körper*, Heidelberg University
- 1974 Kresimir Delinic, *Zur Endentheorie topologischer Gruppen*, Heidelberg University
- 1982 Dan Haran, *Galois theory over pseudo real closed fields*, Tel Aviv University
- 1989 Luc Lauwers, *e -fold ordered Frobenius fields*, Katholieke Universiteit Leuven
- 1990 Ido Efrat, *On pseudo p -adically closed fields*, Tel Aviv University
- 1996 Aharon Razon, *Local global principles over PAC fields over subrings*, Tel Aviv University