

Rony A. Bitan : Curriculum Vitae

13.11.22



Name: Rony Avraham Bitan

Born: 3.10.1974, Israel.

Citizenship: Israeli, French.

Address: Zekan Hashomrim 3, Petah-Tikva, Israel.

Military Service: 3 years: 1993-1996, Intelligence forces.

Date of arrival in Israel: Not relevant.

Phone & Cell Phone: +972-52-6631288

Marital Status: Married + 5 children

1. Academic Education

Years	Title	Institute (City)	Department
1996-2000	B.Sc.	Technion (Haifa)	Software Engineering
2002-2004	M.Sc.	Bar-Ilan University (Ramat-Gan)	Mathematics
2005-2010	Ph.D.	Bar-Ilan University (Ramat-Gan)	Mathematics

Degree	Supervisor	Title of Thesis
M.Sc.	Prof. Boris Kunyavskii	Torus based cryptography
M.Sc.	Prof. Boris Kunyavskii	Arithmetical invariants of algebraic commutative groups over global fields

2. Academic and Industrial Employment

Years	Employer (Location)	Subject
2000-2002	Intel (Haifa, Jerusalem)	Software Engineer in Networking

Membership in Professional Societies

3. Academic Activities

Previous Research and Development Activities

2010-2011: Post Doc. In Mathematics Department in the Technion, research in algebraic groups and schemes over global and local fields (Advisor: Uri Bader).

2011-2012: Post Doc. In School of Mathematical science in Tel-Aviv University: research in algebraic groups and schemes. (Advisors: Joseph Bernstein and Mikhail Borovoi).

2015-2016: Post Doc. In Camille Jordan Institute, University of Lyon1, France
Research in algebraic group schemes (Advisor: Philippe Gille).

Present Research and Development Activities

Research in Algebraic Geometry and Number Theory in Afeka.

Supervision Students for an Academic High Degree

Active Participation in Professional Conferences

International Meetings

1. The American Mathematical Society conference, Bar-Ilan University, 2014.
2. Seminaire Varietes Rationnelles, ENS Paris, May 2017.
3. Groupes algebriques et geometrisation du programme de Langlands, Lyon, May 2018.
4. Quadratic Forms and Axial Algebras, Lens, June 2019.
5. Arithmetic aspects of algebraic groups, Banff, June 2022.

Israeli Meetings

1. IANT day, Afeka Tel-Aviv, November 2019.

Other Relevant Activities

From 2020: Reviewer in AMS for the MathSciNet.

2021: Gave a talk in the algebraic seminar at the Leibniz University in Hannover, Germany.

4. Grants and Awards

Awards

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|----|-----------|---|
| 1. | 2000 | The Thomas Schwartz Award for an algorithm on edges recognition in ultrasound pictures, VISL, Technion. |
| 2. | 2009 | Bar-Ilan University: The excellent lecturer award. |
| 3. | 2011 | Technion, the excellent lecturer award. |
| 4. | 2017-2020 | Afeka, the excellent lecturer award |
| 5. | 2020-2022 | Afeka, the excellent lecturer award |

Grants

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| 1. | 2015 | Research Grant in Algebraic Geometry by Michael Schein. |
| 2. | 2017 | Research Grant in Algebraic Geometry by Andrei Reznikov |

5. List of Publications

5.1 Peer reviewed papers

1. "The Discriminant of an Algebraic Torus", Journal of Number Theory, vol. 131, 2011, pages 1657-1671.
2. With R. Koehl, "A building-theoretic approach to relative Tamagawa numbers of quasi-split semisimple groups over global function fields", Funct. Approx. Comment. Math. Vol. 53.2, 2015, pages 215-247.
3. "The Hasse principle for bilinear symmetric forms over a ring of integers of a global function field", Journal of Number Theory, vol. 168, 2016, pages 346-359.
4. "On the classification of quadratic forms over an integral domain of a global function field", Journal of Number Theory, 180, 2017, pages 26-44.
5. "Between the genus and the Gamma-genus of an integral quadratic Gamma-form", Acta-Arithmetica. Vol. 181, 2017, pages 173-183.
6. "On the genera of semisimple groups defined over an integral domain of a global function field", Journal de Theorie des Nombres de Bordeaux, vol. 30.3, 2018, pages 1037-1057.
7. with M. M. Schein, "On the flat cohomology of binary norm forms", Journal de Theorie des Nombres de Bordeaux, 31.3, 2019, pages 527-553.
8. with R. Koehl and C. Schoemann: "The twisted forms of a semisimple group over an Fq-curve", Journal de Theorie des Nombres de Bordeaux, 33.1, 2021, pages 17-38.

5.2 Books

5.3 Papers and Abstracts - Proceedings of Conferences

5.4 Patents

U.S. patent in Networking Load Balancing (US7181527).

List of References

Name	Title and institute	Address. Phone & e-mail
Andrei Rapinchuk	Professor in University of Virginia, USA.	Tel. 434-924-4950 asr3x@virginia.edu
Ralf Koehl	Professor in Kiel University, Germany.	

Languages

Language	Proficiency levels (A=fluent B= intermediate C=weak)		
	Speaking	Reading	Writing
Hebrew	A	A	A
English	A	A	A
Hebrew	A	B	C

Areas of Specialization and Interest

1. Algebraic Geometry
2. Number Theory
3. Cohomology of group schemes

Hobbies

1. Studying history