PERSONAL INFORMATION **Leonardo Spinosa**

RESEARCH INTERESTS

Representation theory and K-theory of abstract and topological groupoids.
Hopf algebroids and their relations to groupoids.
Categorification processes and Higher Representation Theory.
Category theory: monads and applications to Hopf structures.
Noncommutative ring theory.

PUBLICATIONS AND PREPRINTS

Jun. 2019   Laiachi El Kaoutit Zerri and Leonardo Spinosa.
"Categorified groupoid-sets and their Burnside ring".
To appear in Turkish Journal of Mathematics.
https://arxiv.org/abs/1811.11966v2

Jun. 2019   Laiachi El Kaoutit Zerri and Leonardo Spinosa.
"Mackey formula for bisets over groupoids".
Journal of Algebra and Its Applications, Jun. 2019, Vol. 18, Issue 6.
https://doi.org/10.1142/S0219498819501093
https://arxiv.org/abs/1711.07203v2

Jul. 2018   Laiachi El Kaoutit Zerri and Leonardo Spinosa.
"Burnside Theory for groupoids".
https://arxiv.org/abs/1807.04470

Mar. 2017   Giuseppe Baccella and Leonardo Spinosa.
"K_0 of Semiartinian Von Neumann Regular Rings. Direct Finiteness Versus Unit-Regularity".
Algebras and Representation Theory, Oct. 2017, Vol. 20, Issue 5, pp 1189–1213.
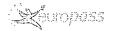https://doi.org/10.1007/s10468-017-9682-3
https://arxiv.org/abs/1605.04606v2

SCIENTIFIC COLLABORATIONS

Jan. 2018 - May 2018   Prof. Laiachi El Kaoutit Zerri, University of Granada, "Facultad de Educación, Economía y Tecnología de Ceuta", Ceuta, Spain, January 15, 2018 - May 2, 2018.

Jun. 2017   Prof. Laiachi El Kaoutit Zerri, University of Turin, Italy, June 5-9, 2017.

EDUCATION ───

Nov. 2015 - Feb. 2019 ## Ph.D. in Mathematics

University of Ferrara, Italy. Department of Mathematics and Computer Science.
Ph.D. advisor (relatore): Prof. Laiachi El Kaoutit Zerri, University of Granada.
Supervisor (tutor): Prof. Claudia Menini, University of Ferrara.
Ph.D. thesis title: "Burnside and Mackey Theories for Abstract Groupoids".
Ph.D. thesis successfully defended on 18/02/2019.
Achieved additional certification of "Doctor Europaeus".

Oct. 2012 - Jul. 2015 ## Master degree in Mathematics

University of L'Aquila, Italy.
Final grade: 110/110 summa cum laude.
Thesis title: "The Grothendieck group of semiartinian regular rings".
Thesis advisor: Prof. Giuseppe Baccella.

Oct. 2008 - Jul. 2012 ## Bachelor degree in Mathematics

University of L'Aquila, Italy.
Final grade: 110/110 summa cum laude.
Thesis title: "The Leavitt path algebra of a graph".
Thesis advisor: Prof. Giuseppe Baccella.

Sep. 2003 - Jul. 2008 ## Secondary-school: Technical industrial diploma in Computer Science

Technical Industrial State Institute "ITIS Amedeo di Savoia Duca D'Aosta" of L'Aquila, Italy.
Final grade: 100/100.

COMMUNICATIONS AT
CONFERENCES AND SEMINARS ─────────────────────────────────

27/06/2019 "Categorified Group-Sets and Weak Burnside Theory for Groupoids".
Invited seminar (1 hour).
San Benedetto del Tronto, University of Camerino, Italy.

13/04/2018 "Mackey formula for bisets over groupoids", contributed talk.
The 3rd Moroccan Andalusian Meeting on Algebras and their Applications.
April 12-14, 2018, Chefchaouen, Morocco.

07/07/2016 "The Grothendieck group of a semiartinian regular ring", seminar (1 hour).
University of Ferrara, Italy.

PARTICIPATION AT CONFERENCES, WORKSHOPS AND SCHOOLS

Apr. 12-14, 2018 | **3rd MAMAA**

The 3rd Moroccan Andalusian Meeting on Algebras and their Applications.
Chefchaouen, Morocco.
Workshop organized by: "Algebra and its Applications Research Team", "Department of Mathematics, Faculty of Sciences", "Abdelmalek Essaadi University", Tetouan, Morocco.

May 11, 2017 | **Mini-Workshop: A Categorical Day in Turin**

University of Turin, Italy.

May 24-27, 2016 | **Brauer groups, Hopf algebras and monoidal categories**

A conference in honour of Stef Caenepeel on the occasion of his 60th birthday.
University of Turin, Italy.

Jan. 21-22, 2016 | **Workshop on Hopf Algebras and Related Topics**

University of Turin, Italy.

Jul. 29, 2013 – Aug. 30, 2013 | **Scuola Matematica Interuniversitaria SMI Perugia 2013**

University of Perugia, Italy.
Participation to the courses of Algebra and Differential Geometry.

DIDACTIC ACTIVITY

Oct. 2016 - Jun. 2018 | Didactic support for the course "Algebra", academic years 2016-2017 and 2017-2018.
University of Ferrara, Italy. Department of Mathematics and Computer Science.
Person in charge of the course: Prof. Claudia Menini.

MEMBERSHIP OF ORGANIZATIONS OR RESEARCH INSTITUTES

2017-2019 | **GNSAGA (INdAM)**

Member of the "Gruppo Nazionale per le Strutture Algebriche, Geometriche e loro Applicazioni".
Section "Strutture algebriche e geometria combinatoria".

SCHOLARSHIPS, GRANTS AND AWARDS

May 2018 | Appointed "Cultore della materia" for the Scientific Disciplinary Sector MAT/02 Algebra from the Department of Mathematics and Computer Science of the University of Ferrara.

Jan. 2018 | INDAM - GNSAGA grant of euros 1100,00, for a research stay at the University of Granada, "Facultad de Educación, Economía y Tecnología de Ceuta", Ceuta, Spain, January 15, 2018 - May 2, 2018.

Nov. 2015 - Oct. 2018 | Ph.D. scholarship from the University of Ferrara, Italy.

LINGUISTIC CERTIFICATIONS AND COMPETENCES

Nov. 2017 **Cambridge Certificate in Advanced English (CAE)**

Linguistic certification of level C1 under the Common European Framework of Reference for Languages (CEFR), achieved with grade A, score 202/210, therefore attesting a CEFR linguistic level C2. Date of issue: 09/01/2018.

Mother tongue   Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Spanish	B1	B1	B1	B1	B1
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

COMPUTER SCIENCE COMPETENCES

Programming languages and related skills

C, C++, Java, Linux Bash scripting.
LaTeX and the language PGF/TikZ.
HTML, CSS, SQL and PHP.

Mathematical software   MATLAB, GAP, Mathematica and SageMath.

I hereby authorize the processing of the personal data contained in this CV, in compliance with the Italian Personal Data Protection Code (D. Lgs. no. 196, June 30, 2003).