

Sara Ugolini

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Date of birth 03/03/1989
Nationality Italian

Education

2014 - ongoing PhD student in Computer Science at the University of Pisa
Advisor: Prof. Andrea Sorbi; Co-advisor: Tommaso Flaminio

2011 - 2013 Master's Degree in Mathematics at the University of Siena
Grade: 110/110 cum laude
Thesis title: *A categorical equivalence for product algebras*
Advisor: Franco Montagna

2008 - 2011 Bachelor's Degree in Mathematics at the University of Siena
Grade: 110/110 cum laude
Thesis title: *Qual è la logica dei matematici?*
(*Which is the logic of mathematicians?*)
Advisor: Franco Montagna

Publications

- S. Aguzzoli, T. Flaminio, S. Ugolini, *Equivalences between subcategories of MTL-algebras via Boolean algebras and prelinear semihoops*, Journal of Logic and Computation, 2016 (accepted).
- F. Montagna, S. Ugolini, *A categorical equivalence for product algebras*, Studia Logica, 2015.

Awards

- Winner of AILA (Italian Association of Logic and its Applications) award 2014 for the best Master's thesis in Mathematical Logic.
- ASL (Association of Symbolic Logic) travel award for the meeting Logic, Algebra and Truth Degrees (LATD) 2016 held in South Africa in June 2016.

Other scientific activities

Research visiting

January 2017

University of Denver (Colorado), Department of Mathematics,
(Prof. Nikolaos Galatos)

April - June 2016

IIIA (Institute of Research in Artificial Intelligence)
of the CSIC (Spanish Scientific Council of Research),
Bellaterra (Spain) (Prof. Lluís Godó)

February 2016

University of Milan, Department of Mathematics
(Prof. Vincenzo Marra).

Organising committees

LOPSTR 2015 (Logic-Based Program Synthesis and Transformation)
July 13-15, 2015. Siena, Italy.

PPDP 2015 (Principles and Practice of Declarative Programming)
July 14-16, 2015. Siena, Italy.

Conference talks

WOLC2016 (Non classical logics and their applications:
International Workshop on Logic and Cognition),

*Hyperstates on involutive bipartite MTL-algebras:
a preliminary investigation*, Guangzhou (China), December 2016.

SYSMICS2016 (Syntax Meets Semantics) kickoff conference,

*A uniform way to build strongly perfect MTL-algebras
via Boolean algebras and prelinear semihoops*,

Barcelona (Spain), September 2016.

LATD2016 (Logic, Algebra and Truth Degrees),
A uniform way to build symmetric DL-algebras,
Phalaborwa (South Africa), June 2016.

Seminars

January 2017 *Prelinear semihoop based triples*

Talk at the Logic Seminar at the University of Denver.

April 2016 *Equivalences between subcategories of MTL-algebras via Boolean algebras and prelinear semihoops*

Invited talk at the University of Barcelona.

March 2016 *Algebraic semantics of many-valued logics*

Talks at the Universal Algebra Seminar at the University of Siena.

February 2016 *Semihoop-Triples and subcategories of MTL-algebras*

Invited talk at the Logic Seminar at the University of Milan.

November 2015 *A tour through Mathematical Logic towards Fuzzy Logic and the probability of vague events*

Talk at the Mauriana Pesaresi Seminars at the University of Pisa.

Memberships

- AILA (Italian Association of Logic and its Applications);
- ASL (Association of Symbolic Logic);
- GNSAGA (Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni), INDAM (Istituto Nazionale di Alta Matematica), for the section Mathematical Logic and its Applications.

Language skills

- Italian (mother tongue)
- English: Excellent
Certificate: IELTS 7.5 (level C1)
- French: Quite good
Certificate: DELF A1/A2
- Spanish: Quite good

Research Interests

My research interests mostly lie in the field of non classical logics, in particular concerning: t-norm based fuzzy logics and their algebraic semantics; approximate reasoning and probability of vague events.