

Curriculum Vitae

Antonis Achilleos

Personal Information

Name: Antonios (Antonis) Achilleos
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Education:

- 2015: PhD from the Computer Science department of the Graduate Center of the City University of New York.
Dissertation title:
Interactions and Complexity in Multi-Agent Justification Logic.
Advisor:
Distinguished Professor Sergei Artemov
Committee members:
Professor (emeritus) Melvin Fitting
Professor (emeritus) Stathis Zachos
Professor Samuel Buss
- 2011: MPhil from the PhD program in Computer Science, the Graduate Center of the City University of New York.
- 2008: MSc from the Masters Program in Logic and Algorithms, University of Athens.
- 2007: Diploma from the School of Applied Mathematics and Physical Sciences, National Technical University of Athens.

Research Experience and Interests:

I am generally interested in Logic, Complexity Theory and especially in combinations of the two. As part of my dissertation-related research I focused on Justification Logic and its complexity properties, particularly in a multi-agent setting. At the same time, I also published papers on the complexity of Modal Logic, which is closely related. My background is mostly in Mathematics and Theoretical Computer Science.

Journal Publications:

- A Complexity Question in Justification Logic.
in Journal of Computer and System Sciences 2014
- with Michael Lampis, Valia Mitsou: Parameterized Modal Satisfiability.
in Algorithmica 2012

Conference Presentations:*With Formal Proceedings:*

- Modal Logics with Hard Diamond-free Fragments
In LFCS 2016 (to appear)
- NEXP-completeness and Universal Hardness Results for Justification Logic.
in CSR 2015
- Tableaux and Complexity Bounds for a Multiagent Justification Logic with
Interacting Justifications
in EUMAS 2014
- On the Complexity of Two-agent Justification Logic
in CLIMA XV (2014)
- Complexity bounds for Multiagent Justification Logic.
in the Logic Colloquium 2014
- A Complexity Question in Justification Logic.
in WoLLIC 2011
- with Michael Lampis, Valia Mitsou: Parameterized Modal Satisfiability.
in ICALP 2010

Without Formal Proceedings:

- A Multi-agent Justification Logic, Interactions and a Complexity Result.
in PLS8 2011
- with Michael Lampis: Closing a Gap in the Complexity of Refinement Modal Logic.
in PLS9 2013 and LCC 2014
- Modal Logics with Hard Diamond-free Fragments.
in CiE 2014

Work under Submission:

- with Michael Lampis: Closing a Gap in the Complexity of Refinement Modal Logic.

Teaching Experience and Interests:

I have experience teaching introductory Computer Science courses, like introduction to Computer Science or Programming as well as more advanced courses, like Analysis of Algorithms, Intermediate Programming, or Discrete Mathematics. I believe my strength lies in teaching more theoretical courses and I particularly enjoy explaining notions that are usually considered more advanced/abstract, like structural complexity theory, even in a lower-level course. My background is in Mathematics and Logic, with a strong foundation in Theoretical Computer Science, so the courses in these areas are the ones I enjoy teaching most.

Teaching:**College of Staten Island, CUNY** (as Adjunct Lecturer):

Spring 2015:

CSC 126, *Introduction to Computer Science*.

Spring and Fall 2014:

CSC382, *Analysis of Algorithms*.**City College, CUNY** (as Adjunct Lecturer):

Fall 2014 and Spring 2015:

CSC102, *Introduction to Computer Science* (Recitation class, 2 sections).

Fall 2011:

CSC104, *Discrete Mathematical Structures*.**Hunter College, CUNY** (as Adjunct Lecturer):

Fall 2013:

CSCII35, *Software Design and Analysis I*.CSCII36, *Supervised C++ Programming Lab*.**Brooklyn College, CUNY** (as Graduate Teaching Fellow):

2009-2010:

CC312, *Computing: its Nature, Power and Limits* (3 sections in total).CIS11, *Discrete Structures*.

2010-2011:

CORC1312, *Computing: its Nature, Power and Limits* (3 sections in total).CISC1050: *Introduction to Computer Applications*.

2011-2012:

CORC1312, *Computing: its Nature, Power and Limits* (4 sections in total).**National Technical University of Athens:**

2007-2008:

Lab assistant for *Introduction to Programming and Algorithms and Complexity*Teaching Assistant for *Automata and Formal Grammars* and *Models of Computation***Other Work:****Kingsborough Community College:**

Writing Fellow during the academic year 2012-2013

Organized:

Helped organize the 2nd Athens Colloquium on Algorithms and Complexity.

Co-organized the 2nd, 3rd, 4th, 5th, and 6th (2009 through 2013) New York Colloquium on Algorithms and Complexity (NYCAC).

Fellowships and awards:

Two ASL Student Travel Awards (2014):

To attend Computability in Europe 2014 and the Vienna Summer of Logic 2014

Writing Fellowship (academic year 2012-2013):

I was selected to become a Writing Fellow, be trained in the Writing Across the curriculum pedagogical philosophy and contribute to the WAC program as a Writing Fellow at Kingsborough Community College. At KBCC I went through the WAC certification process for KBCC faculty; I then helped guide faculty through that certification process; I advised students with their writing; I redesigned the WAC website for KBCC in collaboration with the certification coordinator, Professor Kate Garretson.

Doctoral Student Research Grant (2011, 2013):

I submitted two research proposals, which were accepted in 2011 and 2013, for which I was awarded \$3050 in total for travel expenses.

Enhanced Chancellor's Fellowship (2008-2013):

Stipend and Teaching fellowship from the Graduate Center of CUNY.
Approx. \$18,000 plus tuition per year