Curriculum vitae

Elli Anastasiadi

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PERSONAL DETAILS

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EDUCATION

Reykjavik University (Ongoing)   **Reykjavik, Iceland**
PhD studies in the Equational Logic of Processes.   *March 2019 - present*
Thesis proposal title: "Formal verification of concurrent systems: Advances through modal logics and equational reasoning".

NTUA & NKUA   **Athens, Greece**
Masters program in Algorithms, Logic and Mathematics(ALMA) GPA: 9.0/10.0 .   *Sept 2018 - Feb 2019*
Specializations: Logic in computer science.

National Technical University of Athens (NTUA)   **Athens, Greece**
5-year diploma (MSc) in Applied Mathematics GPA: 7.9/10.0 .   *Sep 2013 - Sep 2018*
Specializations: Applied statistics, Mathematics of Computer Science.
Thesis title: "Parameterized complexity and model checking on bounded families of graphs" (grade: 10/10).

PUBLICATIONS

- In search of lost time: Axiomatising parallel composition in process algebras. **LICS 2021**. May 2021.
- On the axiomatisability of priority III: Priority strikes again.
  Journal: **Theoretical Computer Science Volume 837**. Oct 2020.
- On the Axiomatizability of Priority III: The Return of Sequential Composition.
  Conference: **20th Italian Conference on Theoretical Computer Science**. Sep 2019.

SUBMITTED PAPERS

- Monitoring hyperproperties with circuits. Submitted to: FORTE 2022.
- On probablilistic Monitorability. Submitted to: Henzinger-60 conference. May 2021.
- Axiomatizing recursion-free, regular monitors. Submitted to: JLAMP journal. April 2020.

AWARDS & GRANTS

- Reykjavik University research fund for the project "REVoCoP: Runtime and Equational Verification of Concurrent Processes". Feb 2022.
- ACM-W, women in computing scholarship award 2019 (towards attending ICALP/LICS).
- Hellenic Mathematical Society, 1rst prize in panhellenic mathematical competition Euclid 2009.

CONFERENCES, WORKSHOPS & SUMMER SCHOOLS

Federated Conference on Distributed Computing Techniques.   **June 2021**
Valletta, Malta (online)

ICALP/LICS.   **July 2020**
Saarbrücken, Germany (online)

Federated Conference on Distributed Computing Techniques.   **June 2020**
Valletta, Malta (*online*)

MOVEP Summer school   **June 2020**
Grenoble, France (*online*)

Nordic Workshop of Programming languages   **Nov 2019**
Tallinn, Estonia
- Talk title: "Axiomatizing equivalences over regular monitors".

Panhelleninc Logic Symposium   **June 2019**
Anogeia, Greece
- Talk title: "An Axiomatization of Verdict Equivalence over Regular Monitors".

TALKS

ALMA Masters program seminar   **June 2021**
Athens, Greece
- "Natural Deduction: From classic to modal Logic".

CoReLab Seminar   **June 2020**
Athens, Greece
- "The Uppaal model checker".

Reykjavik University Computer Science Flash Talks   **Feb 2020**
Reykjavik, Iceland
- "Using equational logic towards formal verification of concurrent systems".

ICE-TCS Theory Day   **April 2019**
Reykjavik, Iceland
- "Fine-grained complexity".

ICE-TCS Seminar   **March 2019**
Reykjavik, Iceland
- "Parameter trade-offs for the Model Checking Problem".

WORK EXPERIENCE

CoReLab NTUA   **Athens, Greece**
Teaching assistant/Lab member   *Sep 2018 - Feb 2019*
- Assisted in the teaching of several courses.
- Gave lectures related to the content of masters thesis.
- Participated in research activities: https://arxiv.org/abs/1902.05529.

Megaventory Inc.   **Athens, Greece**
Software Engineer Intern   *June 2018 - Aug 2018*
- Implemented interactive user guides.
- Designed an extension to the database for implementing Landed Cost calculations.
- Performed a risk analysis and a response analysis over user statistics.

Public education sector   **Athens, Greece**
High School Student Tutor   *Sep 2017 - June 2017*
- Provided tutorship for high school students in Mathematics, Statistics and Informatics.

TEACHING RECORD

PhD teaching record   **March 2019 - present**

Reykjavik University, Department of Computer Science   *Reykavik, Iceland*
Instructor:

- Real-time Models (3-week course, T-219-REMO): Summer 2021.
- Modeling and Verification (T-707-MOVE): Spring 2021.
- Theory of Computation (T-519-STOR): Winter 2020.
- Logic in Computer Science (T-505-ROKF): Spring 2020.

Teaching assistant:

- Theory of Computation (T-519-STOR): Winter 2019.
- Real Time Models (3-week course, T-219-REMO): Summer 2019.
- Modeling and Verification (SC-T-707-MOVE): Spring 2019.

CoReLab NTUA   **Sep 2018 - Feb 2019**
Teaching assistant   *Athens, Greece*

- Introduction to Computer Science: Dep. of Electrical Engineering.
- Discrete Mathematics I: Dep. of Electrical Engineering & Dep. of Applied Mathematics.
- Introduction to programming (C,C++): Dep. Of Electrical Engineering.

PERSONAL SKILLS

- Languages: **Greek** - Native, **English** - Proficient (long time user in professional and personal environments), **French** - Basic (basic education and occasional low-level use).
- Research Software: Uppaal, Minitab, R, Mathematica, Matlab
- Programming Languages: Python, C, C++, Java, HTML/CSS, Haskell, SQL, Fortran.
- Miscellaneous: Drivers license, leisure sailboat driving and management ability, percussion instrument proficiency, various music experience in other instruments and skills (guitar, piano, singing, marching band performance), sound technician experience.