

George Kastrinis • Curriculum Vitæ

Ph.D. Candidate, University of Athens

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EDUCATIONAL BACKGROUND

July 2012 – Present	Ph.D. in Program Analysis, Department of Informatics and Telecommunications, University of Athens , Advisor Prof. Yannis Smaragdakis (smaragd@di.uoa.gr)
Sep. 2009 – July 2012	M.Sc. in Advanced Information Systems, Department of Informatics and Telecommunications, University of Athens , G.P.A. 8.42/10 (estimated 3% of graduating class)
Sep. 2005 – Sep. 2009	B.Sc. in Informatics and Telecommunications, Department of Informatics and Telecommunications, University of Athens , G.P.A. 8.33/10 (estimated 5% of graduating class)

PROFESSIONAL EXPERIENCE

Summer 2014	Intern as software developer at Microsoft Research for three months
Summer 2013	Intern as software developer at LogicBlox for four months
Jan. 2011 – Present	Research Assistant in Program Analysis, with Prof. Yannis Smaragdakis
June 2009 – Jan. 2011	Software Developer for the Network Operations Center at the University of Athens
Winter 2011	Lecturer and Co-organizer of a two-part presentation for Web Development by the FOSS Community of the University of Athens
Winter 2009	Lecturer and Co-organizer of the first Web Development Workshop by the FOSS Community of the University of Athens

PUBLICATIONS

Yannis Smaragdakis, George Kastrinis, "**Defensive Points-To Analysis: Effective Soundness via Laziness**", European Conference on Object-Oriented Programming, (ECOOP), 2018

Neville Grech, George Kastrinis, Yannis Smaragdakis, "**Efficient Reflection String Analysis via Graph Coloring**", European Conference on Object-Oriented Programming, (ECOOP), 2018

George Fourtounis, George Kastrinis, Yannis Smaragdakis, "**Static Analysis of Java Dynamic Proxies**", International Symposium on Software Testing and Analysis, (ISSTA), 2018

George Kastrinis, George Balatsouras, Kostas Ferles, Nefeli Prokopaki-Kostopoulou, Yannis Smaragdakis, "**An Efficient Data Structure for Must-Alias Analysis**", Compiler Construction (CC), 2018

George Balatsouras, Kostas Ferles, George Kastrinis, Yannis Smaragdakis, **"A Datalog Model of Must-Alias Analysis"**, International Workshop on the State Of the Art in Java Program Analysis, (SOAP), 2017

Yannis Smaragdakis, George Balatsouras, George Kastrinis, Martin Bravenboer, **"More Sound Static Handling of Java Reflection"**, Asian Symposium on Programming Languages and Systems, (APLAS), 2015

Yannis Smaragdakis, George Kastrinis, George Balatsouras, **"Introspective Analysis: Context-Sensitivity, Across the Board"**, Programming Language Design and Implementation (PLDI), 2014

Yannis Smaragdakis, George Balatsouras, George Kastrinis, **"Set-Based Pre-Processing for Points-To Analysis"**, Object-Oriented Programming, Systems, Languages & Applications (OOPSLA), 2013

George Kastrinis, Yannis Smaragdakis, **"Hybrid Context-Sensitivity for Points-To Analysis"**, Programming Language Design and Implementation (PLDI), 2013

George Kastrinis, Yannis Smaragdakis, **"Efficient and Effective Handling of Exceptions in Java Points-To Analysis"**, Compiler Construction (CC), 2013

Nikolaos Pothitos, George Kastrinis, Panagiotis Stamatopoulos, **"Constraint Propagation as the Core of Local Search"**, Hellenic Conference on Artificial Intelligence (SETN), 2012

TEACHING ASSISTANTSHIP

Winter 2014, 2015, 2017	Assistant for the course "OO Languages and advanced programming techniques", taught by Prof. Yannis Smaragdakis
Spring 2015	Assistant for the course "Systems Programming", taught by Prof. Yannis Smaragdakis
2008 – Present	Administrator of the online discussion forum for the courses "Introduction to Programming" and "Object Oriented Programming"
2006 – Present	Assistant for the course "Introduction to Programming", taught by Prof. Panagiotis Stamatopoulos
2006 – Present	Assistant for the course "Object Oriented Programming", taught by Prof. Izambo Karali

MISC

Attendee	Google PhD Student Summit on Compiler 2016
Student Volunteer	PLDI 2015
External Reviewer	ECOOP 2012, PLDI 2013
Student Stipend	ETAPS 2013

TECHNICAL SKILLS

Programming	C, C++, C#, Java, Groovy, Datalog, Prolog, Haskell
Web Technologies	HTML, CSS, PHP, JSP, JavaScript, AJAX

Query Languages
Scripting
Frameworks
Misc.

SQL, SPARQL, OWL 2, LDAP, LogiQL, LINQ
Bourne/Bash shell
Electron, Clang's AST API, CakePHP
OpenGL, LaTeX, Adobe Photoshop

LANGUAGES

Greek
English

French

Native
Fluent – Certificate of Proficiency in English
(University of Michigan & University of Cambridge)
D.E.L.F. level 1 and 2 – unit A1-A6