

# Niki Vazou

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## POSITIONS

<b>Research Associate Professor</b> IMDEA Software Institute, Madrid, Spain.	2022 – present
<b>Research Assistant Professor</b> IMDEA Software Institute, Madrid, Spain.	2018 – 2022
<b>Postdoctoral Fellow</b> Computer Science Department, University of Maryland, College Park, USA.	2017 - 2018

## EDUCATION

<b>Phd</b> Computer Science and Engineering, University of California, San Diego, USA. Supervisor: Ranjit Jhala; Thesis title: “Liquid Haskell: Haskell as a Theorem Prover”.	2011-2017
<b>Diploma</b> National Technical University of Athens, Athens, Greece. Supervisor: Nikolaos Papaspyrou; Thesis title: “Memory Safety with Linear Capabilities”.	2005-2010

## (Co-)SUPERVISION OF GRADUATE STUDENTS & INTERNS

IMDEA Software Institute, Madrid, Spain.	Present
<ul style="list-style-type: none"><li>• PhD candidate Antonio Zegarelli on “Dynamic Policies”.</li><li>• PhD candidate Colin Rothgang on “Refinement to Dependent Types”.</li><li>• PhD candidate Alessio Ferrarini on “Metatheory of Refinement Types”.</li><li>• PhD candidate Pablo Castellanos on “Zero Knowledge Proofs”.</li></ul>	
	Past
<ul style="list-style-type: none"><li>• Master Thesis, Fernanda Andrade on “Detecting Noninterference Violations with Property-based Testing”.</li><li>• Master Thesis, Mustafa Hafidi on “From testing to formal verification in Haskell”.</li><li>• Research intern Zack Grannan on “Rewriting for Liquid Haskell”. <i>Published at ECOOP’23</i>.</li><li>• PhD candidate Milod Kazerounian on “Refinement types for Ruby”. <i>Published at VMCAI’18 and PLDI’19</i>.</li><li>• PhD candidate James Parker on “Verification of secure web applications”. <i>Published at POPL’19 and OOPSLA’20</i>.</li></ul>	

National Technical University of Athens, Athens, Greece.	2018
<ul style="list-style-type: none"><li>• Diploma student George Petrou on “Verification with Liquid Haskell”.</li></ul>	

## TEACHING ACTIVITIES

<b>Informatics Department, Universidad Complutense de Madrid, Madrid, Spain.</b> Spring 2024, 2025 Co-Lecturer at the Master Class Computer Aided Verification.	
<b>Informatics Department, Universidad Politecnica de Madrid, Madrid, Spain.</b> 2 months/20 hours seminar on Advanced Functional Programming.	Fall 2019
<b>Computer Science Department, University of Maryland, College Park, USA.</b> Lecturer at Advanced Functional Programming (CMSC498V).	Winter 2018
<b>Computer Science Department, University of Maryland, College Park, USA.</b> Co-Lecturer at Introduction to Programming (CMSC330).	Fall 2017
<b>Clubes De Ciencia, Guanajuato, Mexico.</b> 1 week/40 hours course on Functional Programming.	Summer 2015

## REVIEWING ACTIVITIES

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ECOOP'25, FSE'25, ESOP'25, PLDI'24, TyDe'24 ICFP'23, PLDI'23, ESOP'23, HaskellX'22, POPL'22, WITS'22, TYPES'22, OOPSLA'22, FLOPS'22, PLS'21, PEPM'21, VMCAI'21, WGT'20, CAV'20, FCS'20, POPL'19, ESOP'18, ICFP'18, PEPM'21, PLS'21, TFP'20, Haskell'18, ML-Family Workshop'17, HOPE'17, PADL'17, Scala'17, Haskell'16, HiW'16, TFP'16, PADL'16, Scala'16, AEC@POPL'16, AEC@PLDI'16.

## SELECTED INVITED TALKS

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Invited Lecturer at OPLSS	2025
Keynote Speaker at ICFP	2024
Invited Speaker at LambdaWorld	2024
Invited at PLMW at POPL	2024
Keynote at LFMTP: Logical Frameworks and Meta-Languages: Theory and Practice	2023
Presenter at SCOT Seminar	2022
Keynote at CLAS: Computational Logic Autumn Summit	2022

## ORGANIZATION OF SCIENTIFIC EVENTS

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Co-Chair, SIGPLAN Award Co-Chair.	2024-present
Organization Committee at LambdaWorld.	2025-present
Co-Chair, Sponsoring PLDI.	2024, 2025
Co-Chair, Haskell Symposium.	2024
Co-Chair, Haskell Symposium.	2023
Co-Chair, Artifact Evaluation, PLDI.	2022
Co-Chair, Artifact Evaluation, PLDI.	2021
Virtualization Committee, ICFP.	2020
Co-Chair, Student Research Competition, POPL.	2020
Chair, Student Research Competition, POPL.	2019
Chair, Haskell Implementors' Workshop.	2019
Co-Chair, Programming Languages and Analysis for Security.	2019
Co-Organizer, Programming Languages Mentoring Workshop, ICFP.	2018
Co-Chair, Workshop on Type-Driven Development.	2018

## MEMBERSHIP OF SCIENTIFIC SOCIETIES

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Member of SIGPLAN Executive Committee.	2024 - present
Member of IFIP Working Group 2.1 on Algorithmic Languages and Calculi.	2024 - present
Member of IFIP Working Group 2.8 on Functional Programming.	2024 - present
Member of The ACM SIGPLAN Haskell Symposium Steering Committee.	2023 - present
Member of the Dahl-Nygaard Prize Committee.	2023
Board Member of Haskell Foundation.	2021 - 2022
Member of Haskell.org Committee.	2016 - 2020
Event Coordinator at Graduate Women in Computing, UCSD.	2015 - 2016

## GRANTS & AWARDS

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ERC Starting Grant	2022 - 2027
Maria-Maeztu Grant Starting Grant	2025 - 2029
Wallenberg Academy Fellowship.	2021
Juan de la Cierva Incorporacion Grant, by Spanish Ministry of Science and Innovation.	2021 - 2023
Atraccion de Talento Fellowship, by Madrid Regional Government.	2020 - 2024
Best paper award at ACM SIGPLAN Conference OOPSLA.	2018
Victor Balisi Postdoctoral Fellowship, University of Maryland, College Park, USA.	2017 - 2018
Graduate Award for Research, University of California, San Diego, USA.	2015
Microsoft Research Graduate Research Fellowship.	2014 - 2016

*Last Updated: June 2025*