Assoc Professor. Aldeida Aleti
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Monash Data Futures Institute
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Biography

Aldeida's research interests are in the area of Automated Software Engineering, which aims at creating machines that write software, from requirements elicitation, to design, code generation, testing, and finally code repair. This involves the application and advancement of novel Artificial Intelligence and optimisation techniques.

Aldeida Aleti's webpage

Honors and awards

FIT Dean's Award for Excellence in Research by an early career researcher, Monash University. 2016.

Best Paper Award, International Conference on Engineering of Complex Computer Systems (CoRE ranked A), for the paper "Fitness Landscape Characterisation for Constrained Software Architecture Optimisation Problems". This is the seminal paper in characterising problem difficulty in Software Engineering. 2015.

Outstanding Contribution in Reviewing, in recognition of the contributions made to the quality of the Journal of Systems and Software (CoRE A), Elsevier. 2015.

Invitation to the prestigious Heidelberg Laureate Forum. Only 200 of the best early career researchers in the world (working in Computer Science and Mathematics) are selected to participate in this event, and meet winners of the Turing award and Nevanlinna Prize (the two most prestigious prizes in computer science), and Fields Medal and Abel Prize (in mathematics) for an inspiring week in Heidelberg. 2014.

Discovery Early Career Researcher Award, 2013

Dean's Commendation for Best PhD Thesis. Faculty of Information and Communication Technologies, Swinburne University of Technology. 2012.

Best paper award nomination, World Congress on Computational Intelligence (CoRE ranked A), for the paper Adaptive Range Parameter Control. 2012.

ACM SIGBED/SIGSOFT Frank Anger Memorial Award, Awarded by the Executive Committees of SIGBED and SIGSOFT, with support from the US National Science Foundation for significant contributions to the area of Software Engineering. 2011.

ACM Sigsoft Distinguished Paper Award for the paper

Architecture-based reliability evaluation under uncertainty, presented at the International Conference on Quality of Software Architectures. 2011.

Excellence Fund Grant for Postgraduate Studies' ($36,000), awarded by the Albanian Ministry of Education for exceptional achievements. 2010.

SIGSOF CAPS Award, Automated Software Engineering Conference (CoRE A). 2009.

My work in software architecture optimisation was funded by the Commonwealth of Australia, Swinburne University Postgraduate Research Award, and AutoCRC ($147,000). 2009.

Qualifications

Software Engineering, Doctor of Philosophy (PhD), Swinburne University of Technology
Award Date: 17 Oct 2012

Computer Engineering, Master of Computer Engineering, Universiteti Politeknik i Tiranës (Polytechnic University of Tirana)
Award Date: 1 Dec 2008

Computer Engineering, Bachelor Honours Degree, Yildiz Technical University
Award Date: 15 Jun 2005

Activities

Course Director, Bachelor of Software Engineering
Aldeida Aleti (Member)
2017 → 2020

Athena Swan
Aldeida Aleti (Member)
2016 → 2018

Faculty Research Committee - Faculty of Information Technology, Monash University
Aldeida Aleti (Member)
2016 → …

Early Career Researcher committee
Aldeida Aleti (Chair/ Co-Chair)
2015 → 2018