

# Marios Kogias

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<b>RESEARCH FOCUS</b>	Operating Systems, Networking, Datacenters, Tail Latency, Remote Procedure Calls, Dataplanes, Scheduling, Load-balancing, Network Transports, Programmable Switches	
<b>EDUCATION</b>	<i>Doctor of Philosophy</i>	September 2015 - present
	School of Computer and Communication Sciences École Polytechnique Fédérale de Lausanne (EPFL), Switzerland Advisor: Edouard Bugnion	
	<i>Diploma (5-year degree, Master's equivalent)</i>	October 2009 - October 2014
	School of Electrical and Computer Engineering National Technical University of Athens (NTUA), Greece Thesis Advisor: Nektarios Koziris GPA: 9.36/10.00 (top 2%)	
<b>EXPERIENCE</b>	<i>Research Intern</i>	June 2018 - September 2018
	Microsoft Research, Redmond, US I worked as part of the Cloud Efficiency group on latency-critical VM scheduling. Advisors: Ricardo Bianchini, Sameh Elnikety	
	<i>Software Engineering Intern</i>	June 2016 - September 2016
	Google, Mountain View, US I worked as part of the Platforms team on performance analysis of the Google data-center network. Advisor: Malweeka Tewari	
	<i>Software Engineering Intern</i>	November 2014 - April 2015
	CERN, Geneva, CH I worked on the invenio project, a digital library software, implementing a new search engine based on Elasticsearch.	
	<i>Software Engineering Intern</i>	May 2014 - August 2014
	Google Summer of Code - LTTng project I worked on implementing a tracing pipeline for Ceph's RADOS on LTTng and Twitter's Zipkin. This work was taken over by Ceph and now is part of their upstream repository.	
	<i>Junior Developer</i>	July 2013 - September 2013
	okeanos, GRNET, Athens, GR I contributed to the Synnefo project, specifically on the virtual networking infrastructure implementing the Openstack Neutron API for Synnefo in Python Django	
	<i>Founder, Software Engineer</i>	December 2010 - September 2013
	sourcelair.com, Athens, GR I worked on sandboxing untrusted code execution and the sourcelair iOS application.	

**CONFERENCE PUBLICATIONS** *HovercRaft: Scalability and Fault-tolerance for  $\mu$ s-scale Datacenter Services*  
Marios Kogias, Edouard Bugnion  
Eurosys 2020, Heraklion

*R2P2: Making RPCs first-class datacenter citizens*  
Marios Kogias, George Prekas, Adrien Ghosn, Jonas Fietz, Edouard Bugnion  
Usenix ATC 2019, Renton

*Lancet: A self-correcting Latency Measuring Tool*  
Marios Kogias, Stephen Mallon, Edouard Bugnion  
Usenix ATC 2019, Renton

*ZygOS: Achieving Low Tail Latency for Microsecond-scale Networked Tasks*  
George Prekas\*, Marios Kogias\*, Edouard Bugnion (\*equal co-authors)  
26th ACM Symposium on Operating Systems Principles, Shanghai

**WORKSHOP PUBLICATIONS** *Flow Control for Latency-Critical RPCs*  
Marios Kogias, Edouard Bugnion  
KBnets@SIGCOMM18, Budapest

**POSTERS** *SLOG: Your switch is also your load-generator*  
Marios Kogias, Martin Weber, Edouard Bugnion  
NSDI 2020, Santa Clara

*Measuring Latency: Am I doing right?*  
Marios Kogias, Christos Kozyrakis, Edouard Bugnion  
NSDI 2017, Boston

<b>TEACHING</b>	Principles of Computer Systems (EPFL, CS-522)	Winter 2017,2018,2019
	Introduction to Operating Systems (EPFL, CS-323)	Spring 2019
	Database Systems (EPFL, CS422)	Spring 2018
	Mise a Niveau (EPFL, MAN)	Spring 2017
	Computer Networks (EPFL, COM-208)	Winter 2016

**PROFESSIONAL SERVICE** ASPLOS 2020 Artifact Evaluation Committee  
Eurosys 2020 Shadow PC  
Eurosys 2017 Shadow PC  
External Reviewer for IEEE/ACM Transactions on Networking

**AWARDS** 2019 IBM PhD Fellowship  
EPFL PhD Fellowship 2015-2016

**GRANTS** Microsoft Swiss JRC, Project: TTL-MSR (co-PI)  
Usenix Student Grant to attend NSDI 2017