

Pamela Delgado

Curriculum Vitae

*“The size of your dreams must always exceed
your current capacity to achieve them”
— Ellen Johnson Sirleaf*

Education

- 2012 - 2018 **Ph.D. Student and Research Assistant**, *École Polytechnique Fédérale de Lausanne (EPFL)*, Lausanne - Switzerland.
Computer Science. Distributed and scalable scheduling in datacenters
- 2010 - 2012 **Master of Science. Computer Science**, *École Polytechnique Fédérale de Lausanne (EPFL)*, Lausanne - Switzerland, *GPA – 5.36/6*.
Computer Science. Specialization: Foundations of Software
- 2002 - 2008 **Bachelor: Systems Engineering**, *Universidad Católica Boliviana San Pablo*, Cochabamba - Bolivia.
Graduated with honours
- Mar - Jun 2006 **Exchange student**, *Pontificia Universidad Católica de Chile*, Santiago - Chile.

Special Achievements and Awards

- 2013 - 2018 Grant from Microsoft Research. Swiss Joint Research Center. Project: “Towards Resource Efficient Datacenters”.
- 2013 Google Anita Borg Memorial Scholarship EMEA. Google Inc.
- Jul 2012 Master’s Final Project maximum score. *École Polytechnique Fédérale de Lausanne*
- 2010 - 2012 Swiss Federal Scholarship for Foreign Students. Swiss Federal Commission for Scholarships for Foreign Students.
- Apr 2008 Bachelor’s Final Project maximum score. *Universidad Católica Boliviana San Pablo*.
- Mar 2006 Academic Excellence Scholarship for Latin American Students. *Pontificia Universidad Católica de Chile*.
- Feb 2005 Academic Effort Recognition Scholarship. *Universidad Católica Boliviana San Pablo*.

Publications

- Kairos: Preemptive Data Center Scheduler Without Runtime Estimates***, Pamela Delgado, Diego Didona, Florin Dinu and Willy Zwaenepoel.
The ACM Symposium on Cloud Computing (SoCC), Carlsbad, CA, USA. 2018.
- Job-Aware Scheduling in Eagle: Divide and Stick to Your Probes***, Pamela Delgado, Diego Didona, Florin Dinu and Willy Zwaenepoel.
The ACM Symposium on Cloud Computing (SoCC), Santa Clara, CA, USA. 2016.
- Eagle: A Better Hybrid Data Center Scheduler***, Pamela Delgado, Diego Didona, Florin Dinu and Willy Zwaenepoel.
Poster at 11th European Conference on Computer Systems (EuroSys), London, UK, 2016.

Hawk: Hybrid Datacenter Scheduling, Pamela Delgado, Florin Dinu, Anne-Marie Kermarrec and Willy Zwaenepoel.

The USENIX Annual Technical Conference (ATC), Santa Clara, CA, USA, 2015.

Distal: A Framework for Implementing Fault-tolerant Distributed Algorithm, Martin Biely, Pamela Delgado, Zarko Milosevic and André Schiper.

43rd Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), Budapest, Hungary, 2013.

Efficiently Scheduling Data-Parallel Computations on Very Large Clusters, Pamela Delgado, Khaled Elmeleegy, Anne-Marie Kermarrec and Willy Zwaenepoel.

Poster at 8th European Conference on Computer Systems (EuroSys), Prague, Czech Republic, 2013.

Projects in Research Laboratories

Summer 2013 **Research intern in Systems and Networking**, Simulation Research for Fabric Computers, Microsoft Research Cambridge, Antony Rowstron.

Autumn 2012 **Large-scale task scheduling in Hadoop**, Operating Systems Laboratory (LABOS), EPFL, Prof. Willy Zwaenepoel.

Spring 2012 **Domain Specific Language for Distributed Algorithms in Scala**, Master project, Laboratoire de Systemes Reparties (LSR), EPFL, Prof. André Schiper.

Autumn 2011 **Invariant Verifier for Parallel Programs**, Semester project, Programming Methods Laboratory (LAMP), EPFL, Prof. Martin Odersky.

Spring 2011 **STAMP in Java: Benchmark for Software Transactional Memory**, Semester project, Distributed Programming Laboratory (LPD), EPFL, Prof. Rachid Guerraoui.

Teaching Experience

Autumn 2017 **Analysis I**, *Teaching Assistant*, EPFL, Lausanne, Switzerland.

Spring 2017 **Operating Systems Implementation**, *Teaching Assistant*, EPFL, Lausanne, Switzerland.

2012 - 2017 **Operating Systems**, *Teaching Assistant*, EPFL, Lausanne, Switzerland.

Autumn 2016 **Programming I**, *Teaching Assistant*, EPFL, Lausanne, Switzerland.

Autumn 2015 **Information, Communication, Computation**, *Teaching Assistant*, EPFL, Lausanne, Switzerland.

Spring 2005 **Operating Systems**, *Teaching Assistant*, Universidad Católica Boliviana San Pablo, Cochabamba, Bolivia.

Invited Talks

2018 **Microsoft Swiss JRC workshop 2018**, *Towards Resource Efficient Datacenters - Closing summary*, EPFL Lausanne, Switzerland.

2017 **Ecocloud Annual Event**, *Job-aware Scheduling in Eagle: Divide and Stick to Your Probes*, Lausanne, Switzerland.

2017 **Microsoft Swiss JRC workshop 2017**, *Towards Resource Efficient Datacenters - Eagle*, MSR Cambridge, United Kingdom.

2017 **Eurosys Shadow PC meeting**, *Job-aware Scheduling in Eagle: Divide and Stick to Your Probes*, Google Zurich, Switzerland.

2017 **Annual EPFL INRIA Workshop 2017**, *Hawk: Hybrid Datacenter Scheduling*, Rennes, France.

2016 **ACM Symposium on Cloud Computing (SoCC)**, *Job-aware Scheduling in Eagle: Divide and Stick to Your Probes*, Santa Clara, US.

- 2016 **Microsoft Systems and Networking Group Meeting**, *Job-aware Scheduling in Eagle: Divide and Stick to Your Probes*, Microsoft Research Lab Redmond, US.
- 2016 **Nutanix**, *Job-aware Scheduling in Eagle: Divide and Stick to Your Probes*, Santa Clara, US.
- 2016 **Microsoft Swiss JRC workshop 2016**, *Towards Resource Efficient Datacenters - Hawk*, ETHZ Zurich, Switzerland.
- 2015 **Usenix Annual Technical Conference (ATC)**, *Hawk: Hybrid Datacenter Scheduling*, Santa Clara, US.
- 2014 **Presentation to School Students (Présentation aux gymnasiens)**, *Big Data: au-delà des systèmes distribués*, EPFL Lausanne - Switzerland.

Community Service

Reviewed papers, *IEEE Transactions on Parallel and Distributed Systems journal (TPDS) 2018*, *IEEE Transactions on Automation Science and Engineering (T-ASE) 2016*, *Eurosys 2018*, *Eurosys 2017 (shadow PC)*.

Professional Experience

- Summer 2011 **Summer Intern**, *KeyLemon SA*, Face recognition application for Android, Martigny, Switzerland.
- 2009 - 2010 **Software engineer**, *Outsourcing for Enable Consultants*, Recess web application for Canadian schools, Toronto, Canada.
- 2008 - 2009 **Software engineer**, *PirAMide Informatik SRL*, Medical Imaging and digital dictation modules development, Cochabamba, Bolivia.
In partnership with Medspazio, Geneva Switzerland
- 2006 - 2008 **Software engineer**, *PirAMide Informatik SRL*, EJB Automatic Migration Tool, Information systems development, Cochabamba, Bolivia.

Miscellaneous

- July - Nov 2005 **Edition Assistant**, *"Acta Nova" Scientific Magazine Vol. 3 N 1 December 2005*.
Universidad Católica Boliviana San Pablo

Languages

- English**, Fluent.
- French**, Advanced.
- Spanish**, Fluent.
- Italian**, Intermediate.
- German**, Elementary.