

# Curriculum Vitae Urtzi Ayesta

**Web site:** <http://www.irit.fr/~Urtzi.Ayesta>

**Date of birth:** 1<sup>st</sup> December 1976, St. Sebastian, Basque Country, Spain

**Research Interests:** Stochastic modeling, networks, stochastic dynamic programming, reinforcement learning

## Education:

- HDR - Habilitation, *Univ. Toulouse – Paul Sabatier*, France, [May 2014].
- PhD degree, *Université de Nice-Sophia Antipolis*, France, [Mars. 2005]. Research carried out at INRIA and France Telecom R&D.
- Master of Science in Electrical Engineering, *Columbia University*, New York City, US, [June 2001].
- BS/MS in Telecommunication Engineering, *Universidad Pública de Navarra*, Iruñea-Pamplona, Spain, [June 2000].

## Current positions:

- [04/2006→ present] CNRS Director of Research at *Institut de Recherche en Informatique de Toulouse* - [IRIT](http://www.irit.fr).
- Adjunct lecturer. *Univ. of Basque Country*, Spain. Department of Computer Science. Part-time appointment funded by Ikerbasque [2012→present].

## Former positions:

- *Basque Center for Applied Mathematics* (BCAM), Bilbao, Spain, [04/2010 – 12/2011].
- Postdoc at *CWI, Center for Mathematics and Informatics*, [www.cwi.nl](http://www.cwi.nl)), Amsterdam, the Netherlands, [January 2005 – March 2006].
- PhD Researcher at France Telecom R&D and INRIA, [09/2001 – 12/2004].

## Supervision: (In brackets the percentage in the supervision responsibility)

- **PhD students:** Elene Anton, INP Toulouse, (starting 10/2017), Santi Duran (50%), Univ. Paul Sabatier, (starting 2016-2020); *Halldora Thorsdottir* (33%), Univ. of Amsterdam (NL), 2012-2016; *Maialen Larranaga* (50%), INP Toulouse (FR), 2012, Recipient of Prix Léopold Escande 2015 as one of the best theses of the year from INP Toulouse. *Ane Izagirre* (50%), INSA Toulouse (FR), 2012. *Martin Erausquin* (75%), UPV/EHU, 2010-2014, *Josu Doncel* (33%), INSA, 2012-2015.

## Organisation of scientific meetings

- General Chair IFIP Performance 2018 <https://performance2018.sciencesconf.org/>

## Publications

I have co-written 40+ journal and conference publications, including publications in top journals like Operations Research and IEEE/ACM Transactions on Networking, and top conferences like ACM Sigmetrics and IEEE Infocom. For a complete list of publications please see my website.

## Top recent papers

E. Anton, U. Ayesta, M. Jonckheere, I.M. Verloop, Improving the performance of heterogeneous data centers through redundancy, To appear in ACM Sigmetrics 2021

U. Ayesta, T. Bodas, J.P. Dorsman, I.M. Verloop, A token-based central queue with order-independent service rates, to appear in Operations Research

E. Anton, U. Ayesta, M. Jonckheere, I.M. Verloop, On the stability of redundancy models, to appear in Operations Research

U. Ayesta, B.J. Prabhu, R. Righter, Scheduling in a single-server queue with state-dependent service rates, Probability in the Engineering and Informational Sciences, 1–15, 2019

J. Doncel, S. Aalto, U. Ayesta, Performance Degradation in Parallel-Server Systems, IEEE/ACM Transactions on Networking, 27(2): 875–888, 2019