Curriculum Vitae of Urtzi AYESTA

Web site: https://www.irit.fr/~Urtzi.Ayesta/
Date of birth: 1st December 1976, St. Sebastian, Basque Country, Spain
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. Advisor: Konstantin Avrachenkov.
- Master of Science in Electrical Engineering, *Columbia University*, New York City, US, [June 2001].
- BS/MS in Telecommunication Engineering, *Universidad Pública de Navarra*, Spain, [June 2000].

Current positions:
- [10/2016→] CNRS Director of Research at *Institut de Recherche en Informatique de Toulouse* - IRIT. (promoted to DR1 as of 10/2022). Member of RMESS team (IRIT) and SOLACE (CIMI)
- Adjunct lecturer. *Univ. of Basque Country,* Spain. Department of Computer Science. Part-time appointment funded by Ikerbasque (Research agency in Basque Country, Spain) [2012→].

Awards and Honors
• 2022: Promoted to DR1 at CNRS
• 2015 and 2022: Prix Léopold Escande 2022 to PhD students for best thesis at INP
• 2006: Telecom-Valley Award for the best PhD thesis defended in Sophia-Antipolis during 2004-2005.
• 2005-2006: ERCIM "Postdoc Fellowship" to join CWI (awarded to excellent PhDs worldwide).
• 2001-2004: PhD Grant from France Telecom R&D.

Teaching Experience: Currently teaching several courses on Reinforcement Learning and Stochastic Modelling at ENSEEIHT, Toulouse and Univ. Basque Country,

Rearch Grants *[only those as PI]*:
- 2023-2026, PEPR 5G, 160Keuro
- 2015-2019, French national research agency (ANR) young researcher award (JCJC): "RACON: Efficient resource allocation in congested networks", Acceptance rate 7%, assignment 260Keuro including funding for a PhD and a postdoc, PI.
- 2012-2015: EADS-Airbus Group Research Foundation Grant. Acceptance rate 8%, 150keuro, including funding for PhD of M. Larranaga. Co-PI.

Supervision: 8 PhD students (3 ongoing), 4 postdocs

Editorial Duties. Served on the board of top-tier journals like Performance Evaluation (2008-2019), IEEE/ACM Transactions on Networking (2012-2016), ACM Proc. of Measurements and Analysis of Computing Systemas (POMACS) (since 2017), and leading conferences like ACM SIGMETRICS 2013-2023, and IFIP Performance 2010-2023.

Organisation of scientific meetings
- Member of organizing committee: CIMI Semester on "Stochastic control and learning for complex networks", including 5 workshops on long term visitors, 06/12-2024.

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.

Key five papers in recent years
U. Ayesta, P. Jacko, V. Novak, Scheduling of multi-class multi-server queueing systems with abandonments, Journal of Scheduling, 20(2), 129–145, 2017, https://eprints.lancs.ac.uk/id/eprint/76960/1/abandon_JSCHED.pdf
M. Larranaga, U. Ayesta, I.M. Verloop, Dynamic control of birth-and-death restless bandits: application to resource-allocation problems, IEEE/ACM Transactions on Networking 24(6), 3812–3825, 2016 https://www.irit.fr/~Urtzi.Ayesta/argi/TON_2016.pdf
J. Doncel, S. Aalto, U. Ayesta, Performance Degradation in Parallel-Server Systems, IEEE/ACM Transactions on Networking, 27(2), 875–888, 2019 https://hal.archives-ouvertes.fr/hal-01635251/document
E. Anton, U. Ayesta, M. Jonckheere, I.M. Verloop, Improving the performance of heterogeneous data centers through redundancy, ACM Sigmetrics 2021. https://hal.archives-ouvertes.fr/hal-02491393v1/document
U. Ayesta, T. Bodas, J.P. Dorsman, I.M. Verloop, A token-based central queue with order-independent service rates, Operations Research 2022, 70(1), 545–561.https://hal.archives-ouvertes.fr/hal-02934633/document