



KATZALIN OLCOZ HERRERO

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General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Sexenios de investigación: 3 Último año del último sexenio concedido: 2017 (solicitado el cuarto y pendiente de respuesta)

Tesis doctorales dirigidas: 3

Citas totales: 228

Publicaciones en el Primer Cuartil: 3

Publicaciones en el Segundo Cuartil: 6

Índice h: 9

Fuente de los datos sobre citas e índice h: Google Scholar

KATZALIN OLCOZ HERRERO

Surname(s): **OLCOZ HERRERO**
Name: **KATZALIN**
DNI: **02620749Z**
ORCID: **0000-0002-1821-124X**
ScopusID: **6603199337**
ResearcherID: **S-3105-2019**
Date of birth: **23/06/1968**
Gender: **Female**
Nationality: **Spain**
Country of birth: **Venezuela**
Contact province: **Madrid**
City of birth: **Caracas**
Contact address: **Departamento de Arquitectura de Computadores y Automática**
Rest of contact address: **Universidad Complutense de Madrid**
Postcode: **28040**
Contact country: **Spain**
Contact aut. region/reg.: **Community of Madrid**
Contact city: **Madrid**
Land line phone: **(034) 913947655**
Email: **katzalin@ucm.es**

Current professional situation

Employing entity: Universidad Complutense de Madrid **Type of entity:** University
Department: ARQUITECTURA COMPUTADORES Y AUTOMATICA, F. CIENCIAS FISICAS
Professional category: Profesor Titular de Universidad **Educational Management (Yes/No):** No
Start date: 23/03/2000
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 330406 - Computer architecture
Performed tasks: Profesor Titular de Universidad

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Complutense de Madrid	DIRECTOR DE DEPARTAMENTO	30/11/2012
2	Universidad Complutense de Madrid	SUBDIRECTOR DE DEPARTAMENTO	13/10/2010
3	Universidad Complutense de Madrid	SECRETARIO SECCION DEPARTAMENTAL	28/04/2004
4	Universidad Complutense de Madrid	Profesora Asociada a tiempo completo	01/10/1994
5	Universidad Complutense de Madrid	Profesora Ayudante de Escuela Universitaria	02/12/1991
6	Universidad Complutense de Madrid		30/06/1993



	Employing entity	Professional category	Start date
		SECRETARIO SECCION DEPARTAMENTAL	

- 1** **Employing entity:** Universidad Complutense de Madrid
Professional category: DIRECTOR DE DEPARTAMENTO **Educational Management (Yes/No):** Yes
Start-End date: 30/11/2012 - 29/11/2016 **Duration:** 4 years
Type of contract: Civil servant
- 2** **Employing entity:** Universidad Complutense de Madrid
Professional category: SUBDIRECTOR DE DEPARTAMENTO **Educational Management (Yes/No):** Yes
Start-End date: 13/10/2010 - 29/11/2012 **Duration:** 2 years - 1 month - 18 days
- 3** **Employing entity:** Universidad Complutense de Madrid
Professional category: SECRETARIO SECCION DEPARTAMENTAL **Educational Management (Yes/No):** Yes
Start-End date: 28/04/2004 - 12/10/2010 **Duration:** 6 years - 5 months - 15 days
- 4** **Employing entity:** Universidad Complutense de Madrid
Professional category: Profesora Asociada a tiempo completo **Educational Management (Yes/No):** No
Start-End date: 01/10/1994 - 22/03/2000 **Duration:** 5 years - 5 months - 24 days
Performed tasks: Profesora Asociada a tiempo completo
- 5** **Employing entity:** Universidad Complutense de Madrid
Professional category: Profesora Ayudante de Escuela Universitaria **Educational Management (Yes/No):** No
Start-End date: 02/12/1991 - 30/09/1994 **Duration:** 2 years - 10 months - 3 days
Performed tasks: Profesora Ayudante de Escuela Universitaria
- 6** **Employing entity:** Universidad Complutense de Madrid
Professional category: SECRETARIO SECCION DEPARTAMENTAL **Educational Management (Yes/No):** Yes
Start-End date: 30/06/1993 - 02/09/1994 **Duration:** 1 year - 2 months - 4 days



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Físicas Especialidad Cálculo Automático

City degree awarding entity: Madrid, Community of Madrid, Spain

Degree awarding entity: Universidad Complutense de Madrid

Date of qualification: 30/06/1991

Doctorates

Doctorate programme: Doctor en Ciencias, Tecnología y Computación en Programa Oficial de Posgrado en ciencias, tecnología y computación

Degree awarding entity: Universidad Complutense de Madrid **Type of entity:** University

City degree awarding entity: Madrid, Spain

Date of degree: 07/07/1997

Thesis title: Asignación Testable de Hardware en Síntesis de Alto Nivel

Thesis director: JOSE FRANCISCO TIRADO FERNANDEZ

Obtained qualification: Apto Cum Laude por unanimidad

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- Project title:** Energy-Efficient Resource Management for Task-based Parallel Applications in Multi-Application Environments

Type of project: Doctoral thesis

Co-director of thesis: José Francisco Tirado Fernández; Francisco D. Igual Peña

Entity: Universidad Complutense de Madrid **Type of entity:** University

Student: Luis M. Costero Valero

Obtained qualification: Apto cum laude

Date of reading: 28/01/2021

European doctorate: Yes

**Quality recognition:** Yes**Date of award:** 15/11/2022

- 2** **Project title:** Sistema de calificación de temperatura de un microcontrolador para su operación en la superficie de Marte
Type of project: Trabajo Fin de Grado
Co-director of thesis: Fernando Castro Rodríguez
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Nicolás Pardina Popp
Obtained qualification: 8.6
Date of reading: 21/09/2022
- 3** **Project title:** Transformer acceleration in heterogeneous platforms
Type of project: Trabajo Fin de Grado
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Francisco Borja Lozano del Moral
Obtained qualification: 8
Date of reading: 21/09/2022
- 4** **Project title:** Procesamiento de imágenes en vehículos autónomos sobre un RISC-V con acelerador
Type of project: Trabajo Fin de Master
Co-director of thesis: Fernando Castro Rodríguez
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: María José Belda Beneyto
Obtained qualification: 9.5
Date of reading: 24/02/2022
- 5** **Project title:** Aprendizaje por refuerzo para la mejora de calidad de servicio en procesos de codificación de vídeo
Type of project: Trabajo Fin de Grado
Co-director of thesis: Luis M. Costero Valero
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Pedro Simarro Guerra
Obtained qualification: 9
Date of reading: 29/09/2021
- 6** **Project title:** Simulación en la nube de nodos medidores de radiación solar desplegados en un contexto IoT
Type of project: Trabajo Fin de Master
Co-director of thesis: José Luis Risco Martín
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Ignacio Regueiro Tuñón
Obtained qualification: 9
Date of reading: 23/09/2021
- 7** **Project title:** Aprendizaje por refuerzo para gestión de consumo ajustando la frecuencia de ejecución en multicores
Type of project: Trabajo Fin de Grado
Co-director of thesis: Luis M. Costero Valero
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Pablo Hernández Aguado
Obtained qualification: 10
Date of reading: 23/06/2021



- 8** **Project title:** Implementación de un procesador RISC-V en una FPGA de tipo Artix-7. Dotar al procesador de mecanismos de cifrado de memoria.
Type of project: Trabajo Fin de Grado
Co-director of thesis: Juan Carlos Fabero Jiménez
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Badr Guaitoune Akdi
Obtained qualification: 10
Date of reading: 23/06/2021
- 9** **Project title:** Implementación de un procesador RISC-V en una FPGA de tipo Artix-7. Dotar al procesador de mecanismos de cifrado de memoria.
Type of project: Trabajo Fin de Grado
Co-director of thesis: Juan Carlos Fabero Jiménez
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Daniel Ledesma Ventura
Obtained qualification: 10
Date of reading: 23/06/2021
- 10** **Project title:** RISC-V y su ecosistema hardware-software
Type of project: Trabajo Fin de Grado
Co-director of thesis: Fernando Castro Rodríguez
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Estíbaliz Busto Pérez de Mendiguren
Obtained qualification: 8
Date of reading: 18/02/2021
- 11** **Project title:** Generación de cores basados en RISC-V y exploración arquitectónica de las memorias cache usando Rocket Chip Generator
Type of project: Trabajo Fin de Grado
Co-director of thesis: Fernando Castro Rodríguez
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: María José Belda Beneyto
Obtained qualification: 10
Date of reading: 24/09/2020
- 12** **Project title:** Una nueva arquitectura de simulación distribuida dirigida por eventos
Type of project: Trabajo Fin de Master
Co-director of thesis: José Luis Risco Martín
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Luis F. Almendras Aruzamen
Obtained qualification: 9,5
Date of reading: 15/07/2020
- 13** **Project title:** Paralelización y depuración de aplicaciones usando programación basada en patrones
Type of project: Trabajo Fin de Grado
Co-director of thesis: Luis M. Costero Valero
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Cristina Vilchez Moya
Obtained qualification: 10
Date of reading: 06/07/2020



- 14** **Project title:** Detección de ataques basados en el comportamiento temporal de la cache usando contadores hardware
Type of project: Trabajo Fin de Grado
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Iván Prada Cazalla
Date of reading: 12/06/2019
- 15** **Project title:** Evaluación y optimización de rendimiento y consumo energético de aplicaciones paralelas a nivel de tareas sobre arquitecturas asimétricas
Type of project: Trabajo Fin de Master
Entity: Universidad Complutense de Madrid
Student: Luis María Costero Valero
Date of reading: 20/09/2016
- 16** **Project title:** Software para arquitecturas basadas en procesadores de múltiples núcleos. Detección automática de errores de concurrencia.
Type of project: Doctoral thesis
Co-director of thesis: ARMANDO EDUARDO DE GIUSTI RUBIO
Entity: Universidad Nacional de La Plata **Type of entity:** University
Student: Fernando Emmanuel Frati
Obtained qualification: Excelente (10)
Date of reading: 19/03/2015
- 17** **Project title:** Optimización de la gestión de memoria dinámica en Java
Type of project: Doctoral thesis
Co-director of thesis: DAVID ATIENZA ALONSO; José Francisco Tirado Fernández
Entity: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Student: JOSÉ MANUEL VELASCO CABO
Obtained qualification: Apto Cum Laude por unanimidad
Date of reading: 19/04/2010



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** EFFICIENT: SOFTWARE DE SISTEMA PARA ARQUITECTURAS Y APLICACIONES DE NUEVA GENERACIÓN
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
Name principal investigator (PI, Co-PI....): Francisco D. Igual Peña; Carlos García Sánchez
Funding entity or bodies: MICINN PID2021-126576NB-I00
Start-End date: 01/09/2022 - 21/08/2025
Total amount: 178.233 €
- 2** **Name of the project:** Beyond the use of Digital Technologies in Cyanobacteria Blooms: Smart Management of Cyanobacteria exploiting Digital Twins and Edge Computing (SMART-BLOOMS)
Entity where project took place: UNIVERSIDAD COMPLUTENSE DE MADRID **Type of entity:** University
Name principal investigator (PI, Co-PI....): Risco Martín
Funding entity or bodies: MICINN TED2021-130123B-I00
Start-End date: 01/12/2022 - 31/12/2023
Total amount: 395.945 €
- 3** **Name of the project:** Convergencia Big data-HPC: de los sensores a las aplicaciones
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
Name principal investigator (PI, Co-PI....): José F. Tirado Fernández (2018-21); Katzalin Olcoz Herrero (2022-23)
Funding entity or bodies: CAM - S2018/TCS-4423
Start-End date: 01/01/2019 - 30/04/2023
Total amount: 241.845 €
- 4** **Name of the project:** Heterogeneidad y especialización en la era Post-Moore
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
Name principal investigator (PI, Co-PI....): Manuel Prieto Matías; Luis Piñuel Moreno
Nº of researchers: 20
Funding entity or bodies: MICINN - RTI2018-093684-B-I00
Start-End date: 01/01/2019 - 31/12/2021
Total amount: 300.000 €



- 5** **Name of the project:** Computación heterogénea eficiente: del procesador al datacenter
Type of project: Research and development, including transfer
Geographical area: National
Entity where project took place: Universidad Complutense de Madrid
Type of entity: University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): LUIS PIÑUEL MORENO; MANUEL PRIETO MATIAS
Nº of researchers: 24
Funding entity or bodies: Ministerio de Economía, Industria y Competitividad
Start-End date: 01/01/2016 - 31/12/2018
Duration: 3 years
Total amount: 371.470 €
- 6** **Name of the project:** Arquitecturas y tecnologías emergentes. Eficiencia energética mediante heterogeneidad
Type of project: Research and development, including transfer
Geographical area: National
Entity where project took place: Universidad Complutense de Madrid
Type of entity: University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): MANUEL PRIETO MATIAS
Nº of researchers: 13
Funding entity or bodies: MINISTERIO DE CIENCIA E INNOVACIÓN
Start-End date: 01/01/2013 - 31/12/2015
Duration: 3 years
Total amount: 219.620 €
- 7** **Name of the project:** European Network of Excellence on High-Performance Embedded Architecture and Compilation HiPEAC3
Name principal investigator (PI, Co-PI....): Koen De Bosschere; Francisco Tirado (UCM)
Funding entity or bodies: Unión Europea FP7 ICT nº 287759
Start-End date: 01/01/2012 - 31/12/2015
Total amount: 5.000.000 €
- 8** **Name of the project:** Arquitectura hardware/software para sistemas de alto rendimiento II
Type of project: Research and development, including transfer
Entity where project took place: Universidad Complutense de Madrid
Type of entity: University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): JOSE FRANCISCO TIRADO FERNANDEZ
Nº of researchers: 41
Funding entity or bodies: MINISTERIO DE CIENCIA E INNOVACIÓN
Start-End date: 01/01/2009 - 31/12/2013
Duration: 5 years
Total amount: 1.006.000 €



- 9** **Name of the project:** Uso de los servicios para.TI@UCM para integrar tareas docentes y fomentar el aprendizaje activo y colaborativo de los alumnos
Type of project: Research and development, including transfer
Name principal investigator (PI, Co-PI....): JOSE LUIS RISCO MARTIN
Nº of researchers: 7
Start-End date: 22/10/2012 - 30/09/2013 **Duration:** 11 months - 13 days
- 10** **Name of the project:** Herramienta de apoyo al aprendizaje autónomo del alumno y a la comunicación alumno-profesor
Type of project: Research and development, including transfer
Name principal investigator (PI, Co-PI....): JOSE LUIS RISCO MARTIN
Nº of researchers: 11
Funding entity or bodies:
Universidad Complutense de Madrid **Type of entity:** University
Start-End date: 01/10/2010 - 30/09/2011 **Duration:** 1 year - 4 days
Total amount: 3.000 €
- 11** **Name of the project:** ARQUITECTURA HADWARE/SOFTWARE PARA SISTEMAS DE ALTO RENDIMIENTO
Type of project: Research and development, including transfer
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): JOSE FRANCISCO TIRADO FERNANDEZ
Nº of researchers: 34
Funding entity or bodies:
MINISTERIO DE CIENCIA E INNOVACIÓN
Start-End date: 31/12/2005 - 30/12/2008 **Duration:** 3 years
Total amount: 501.000 €
- 12** **Name of the project:** Tecnologías HW/SW para sistemas de alto rendimiento.
Type of project: Research and development, including transfer
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): JOSE FRANCISCO TIRADO FERNANDEZ
Nº of researchers: 26
Funding entity or bodies:
MINISTERIO DE CIENCIA E INNOVACIÓN
Start-End date: 01/12/2002 - 30/11/2005 **Duration:** 3 years
Total amount: 459.980 €
- 13** **Name of the project:** Computación paralela sobre plataformas de bajo coste/Nuevas metodologías para la verificación y diseño de alto nivel.
Type of project: Research and development, including transfer
Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University
City of entity: Madrid, Spain
Name principal investigator (PI, Co-PI....): JOSE FRANCISCO TIRADO FERNANDEZ
Nº of researchers: 17

**Funding entity or bodies:**

MINISTERIO DE CIENCIA E INNOVACIÓN

Start-End date: 31/12/1999 - 31/12/2002**Duration:** 3 years**Total amount:** 172.790,98 €

- 14 Name of the project:** ENTORNO DE SIMULACION NUMERICA PARALELA/NUEVAS METODOLOGIAS PARA LA AUTOMATIZACION DEL DISEÑO DE SISTEMAS.

Type of project: Research and development, including transfer**Entity where project took place:** Universidad Complutense de Madrid**Type of entity:** University**City of entity:** Madrid, Spain**Name principal investigator (PI, Co-PI....):** JOSE FRANCISCO TIRADO FERNANDEZ**Nº of researchers:** 18**Funding entity or bodies:**

MINISTERIO DE CIENCIA E INNOVACIÓN

Start-End date: 01/08/1996 - 31/07/1999**Duration:** 3 years**Total amount:** 147.247,96 €

- 15 Name of the project:** FIDIAS II: UN ENTORNO INTEGRADO DE SINTESIS DE ALTO NIVEL

Type of project: Research and development, including transfer**Entity where project took place:** Universidad Complutense de Madrid**Type of entity:** University**City of entity:** Madrid, Spain**Name principal investigator (PI, Co-PI....):** ROMAN HERMIDA CORREA**Nº of researchers:** 9**Funding entity or bodies:**

MINISTERIO DE CIENCIA E INNOVACIÓN

Start-End date: 05/06/1992 - 05/06/1995**Duration:** 3 years**Total amount:** 115.153,91 €**R&D non-competitive contracts, agreements or projects with public or private entities**

- 1 Name of the project:** RISC-Vfpga V3.0

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Daniel A. Chaver martínez**Funding entity or bodies:**

Imagination Technologies

City funding entity: United Kingdom**Start date:** 01/01/2022**Duration:** 1 year**Total amount:** 27.500 €

- 2 Name of the project:** RISC-Vfpga Development Contract

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Daniel A. Chaver martínez**Funding entity or bodies:**

Imagination Technologies

City funding entity: United Kingdom**Start date:** 01/01/2020**Duration:** 1 year - 6 months



Total amount: 44.925 €

3 Name of the project: Acceso a internet mediante SATLINK PBX

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Luis Piñuel Moreno

Nº of researchers: 3

Funding entity or bodies:

SATLINK SL

Start date: 15/11/2016

Duration: 6 months

Total amount: 22.544 €

4 Name of the project: Development of MIPSfpga v2.0

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Daniel A. Chaver Martínez

Funding entity or bodies:

Imagination Technologies L

Type of entity: Business

Start date: 14/11/2016

Duration: 6 months

Total amount: 4.000 €

5 Name of the project: Programa de Creación y Consolidación de Grupos de Investigación Banco Santander - UCM (GR35/10A)

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): ROMAN HERMIDA CORREA; JOSE FRANCISCO TIRADO FERNANDEZ

Nº of researchers: 26

Funding entity or bodies:

Universidad Complutense de Madrid

Type of entity: University

City funding entity: Madrid, Community of Madrid, Spain

Start date: 01/01/2011

Duration: 1 year

Total amount: 13.762,67 €

6 Name of the project: Programa de Creación y Consolidación de Grupos de Investigación Banco Santander -UCM - GR58/08

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): ROMAN HERMIDA CORREA; JOSE FRANCISCO TIRADO FERNANDEZ

Nº of researchers: 27

Funding entity or bodies:

Universidad Complutense de Madrid

Type of entity: University

Start date: 31/12/2009

Duration: 1 year

Total amount: 31.530 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Luis Costero; Francisco D. Igual; Katzalin Olcoz. Dynamic power budget redistribution under a power cap on multi-application environments. Sustainable Computing: Informatics and Systems. 38, pp. 100865 - 100865. 2023. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2210537923000203>>. ISSN 2210-5379
DOI: 10.1016/j.suscom.2023.100865
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3
- 2** Risco-Martín; Henares; Mittal; Almendras; Olcoz. A unified cloud-enabled discrete event parallel and distributed simulation architecture. Simulation Modelling Practice and Theory. 118 - 102539, Elsevier, 01/07/2022.
Type of production: Scientific paper **Format:** Journal
- 3** Qureshi Y.M.; Herruzo J.M.; Zapater M.; Olcoz K.; Gonzalez Navarro S.; Plata O.; Atienza D.. Genome Sequence Alignment - Design Space Exploration for Optimal Performance and Energy Architectures. IEEE Transactions on Computers. 70 - 12, pp. 2218 - 2233. 01/12/2021. ISSN 00189340
DOI: 10.1109/TC.2020.3041402
Type of production: Scientific paper **Format:** Journal
- 4** Yasir M. Qureshi; William A. Simon; Marina Zapater; Katzalin Olcoz; David Atienza. Gem5-X: A Many-core Heterogeneous Simulation Platform for Architectural Exploration and Optimization. ACM Transactions on Architecture and Code Optimization. 18 - 4, ACM, 07/2021.
DOI: 10.1145/3461662
Type of production: Scientific paper **Format:** Journal
- 5** Costero, Luis; Igual, Francisco D.; Olcoz, Katzalin; Tirado, Francisco. Leveraging knowledge-as-a-service (KaaS) for QoS-aware resource management in multi-user video transcoding. JOURNAL OF SUPERCOMPUTING. 76, 12/2020. ISSN 0920-8542
DOI: 10.1007/s11227-019-03117-9
Type of production: Scientific paper **Format:** Journal
- 6** Costero, Luis; Iranfar, Arman; Zapater, Marina; Igual, Francisco D.; Olcoz, Katzalin; Atienza, David. Resource Management for Power-Constrained HEVC Transcoding Using Reinforcement Learning. IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS. 31, IEEE, 06/2020. ISSN 1045-9219
DOI: 10.1109/TPDS.2020.3004735
Type of production: Scientific paper **Format:** Journal
- 7** Silva-de-Souza, Wellington; Iranfar, Arman; Braulio, Anderson; Zapater, Marina; Xavier-de-Souza, Samuel; Olcoz, Katzalin; Atienza, David. Containergy-A Container-Based Energy and Performance Profiling Tool for Next Generation Workloads. ENERGIES. 13, 2020.
DOI: 10.3390/en13092162
Type of production: Scientific paper **Format:** Journal

- 8** LUIS MARIA COSTERO VALERO; FRANCISCO DANIEL IGUAL PEÑA; KATZALIN OLCOZ HERRERO; Sandra Catalán; Rafael Rodríguez Sánchez; Enrique S. Quintana Ortí. Revisiting conventional task schedulers to exploit asymmetry in multi-core architectures for dense linear algebra operations. *Parallel Computing*. 68, pp. 59 - 76. (Holland): Elsevier, 01/10/2017. ISSN 0167-8191
DOI: 10.1016/j.parco.2017.06.002
Type of production: Scientific paper
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 1,362
Position of publication: 51
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Computer Science, Theory & Methods
Journal in the top 25%: No
No. of journals in the cat.: 104
- 9** Patricia Arroba; JOSE LUIS RISCO MARTIN; MARINA ZAPATER SANCHO; José M. Moya; JOSE LUIS AYALA RODRIGO; KATZALIN OLCOZ HERRERO. Server Power Modeling for Run-time Energy Optimization of Cloud Computing Facilities. *Energy Procedia*. 62, pp. 401 - 410. Elsevier, 01/07/2014. ISSN 1876-6102
DOI: 10.1016/j.egypro.2014.12.402
Type of production: Scientific paper
Position of signature: 6
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 10** JOSE LUIS AYALA RODRIGO; KATZALIN OLCOZ HERRERO. VLSI for the new era. *Integration, the VLSI Journal*. 47, pp. 295 - 295. (Holland): 01/06/2014. ISSN 0167-9260
DOI: 10.1016/j.vlsi.2013.12.002
Type of production: Scientific paper
Position of signature: 2
Impact source: ISI
Impact index in year of publication: 0,659
Position of publication: 36
Format: Journal
Degree of contribution: Editor or co-editor
Category: Computer Science, hardware & architecture
Journal in the top 25%: No
No. of journals in the cat.: 50
- 11** MARINA ZAPATER SANCHO; Patricia Arroba; JOSE LUIS AYALA RODRIGO; Jose M. Moya; KATZALIN OLCOZ HERRERO. A novel energy-driven computing paradigm for e-health scenarios. *Future Generation Computer Systems*. pp. 138 - 154. (Holland): Elsevier, 01/05/2014. ISSN 0167-739X
DOI: 10.1016/j.future.2013.12.012
Type of production: Scientific paper
Position of signature: 5
Impact source: ISI
Impact index in year of publication: 2,786
Position of publication: 8
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Computer Science, Theory & Methods
Journal in the top 25%: Yes
No. of journals in the cat.: 102
- 12** JOSE MANUEL VELASCO CABO; DAVID ATIENZA ALONSO; KATZALIN OLCOZ HERRERO. Memory power optimization of Java-based embedded systems exploiting garbage collection information. *Journal of Systems Architecture*. 58, pp. 61 - 72. (Holland): Elsevier, 01/02/2012. ISSN 1383-7621
DOI: 10.1016/j.sysarc.2011.11.002
Type of production: Scientific paper
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 0,724
Position of publication: 34
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Computer Science, hardware & architecture
Journal in the top 25%: No
No. of journals in the cat.: 50



- 13** KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ; HORTENSIA MECHA LOPEZ. Unified data path allocation and BIST intrusion. Integration, the VLSI Journal. 28, pp. 55 - 99. (Holland): Elsevier, 01/09/1999. ISSN 0167-9260
DOI: 10.1016/S0167-9260(99)00012-7
Type of production: Scientific paper
Position of signature: 1
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication: 0,173
Position of publication: 33
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Computer Science, Hardware&Architecture
Journal in the top 25%: No
No. of journals in the cat.: 45
- 14** HORTENSIA MECHA LOPEZ; MILAGROS FERNANDEZ CENTENO; JULIO SEPTIEN DEL CASTILLO; DANIEL MOZOS MUÑOZ; JOSE FRANCISCO TIRADO FERNANDEZ; KATZALIN OLCOZ HERRERO. A method for area estimation of data-path in high level synthesis. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems. 15, pp. 258 - 265. (United States of America): IEEE, 01/02/1996. ISSN 0278-0070
DOI: 10.1109/43.486671
Type of production: Scientific paper
Position of signature: 6
Impact source: ISI
Impact index in year of publication: 0,490
Position of publication: 14
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Computer Science, hardware & architecture
Journal in the top 25%: No
No. of journals in the cat.: 43
- 15** HORTENSIA MECHA LOPEZ; MILAGROS FERNÁNDEZ CENTENO; ROMAN HERMIDA CORREA; DANIEL MOZOS MUÑOZ; KATZALIN OLCOZ HERRERO. Clock cycle estimation based on dead time and control unit area minimization. Microprocessing and Microprogramming, The Euromicro Journal. 40, pp. 821 - 824. North Holand, 31/12/1994. ISSN 0165-6074
Type of production: Scientific paper
Position of signature: 5
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 16** KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ; DANIEL MOZOS MUÑOZ; JULIO SEPTIEN DEL CASTILLO; RAFAEL AURELIO MORENO VOZMEDIANO. Data path structures and heuristics for testable allocation in high level synthesis;. Microprocessing and Microprogramming. The Euromicro Journal. 39, pp. 263 - 266. (Holland): North Holand, 01/12/1993. ISSN 0165-6074
Type of production: Scientific paper
Position of signature: 1
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 17** RAFAEL AURELIO MORENO VOZMEDIANO; ROMAN HERMIDA CORREA; DANIEL MOZOS MUÑOZ; KATZALIN OLCOZ HERRERO. Global hardware synthesis guided by realistic probability computation (DOI:0165-6074(93)90095-3). Microprocessing and Microprogramming. The Euromicro Journal. 38, pp. 233 - 236. (Holland): North Holand, 01/12/1993. ISSN 0165-6074
Type of production: Scientific paper
Position of signature: 4
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 18** MARINA ZAPATER SANCHO; Patricia Arroba; JOSE LUIS AYALA RODRIGO; KATZALIN OLCOZ HERRERO; Jose M. Moya. Energy-aware policies in ubiquitous computing facilities. Cloud Computing with E-science Applications. pp. 268 - 287. CRC Press, Taylor & Francis, 18/02/2015. ISBN 978-1-4665-9115-8



Type of production: Book chapter
Position of signature: 4

Format: Book
Degree of contribution: Author or co-author of chapter in book

- 19** JOSE MANUEL VELASCO CABO; DAVID ATIENZA ALONSO; KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ. Efficient Object Placement including Node Selection in a Distributed Virtual Machine. Parallel Computing: Architectures, Algorithms and Applications. 15, pp. 509 - 516. (Holland): IOSPRESS, 01/02/2008. ISBN 978-1-58603-796-3

Collection: Advances in Parallel Computing

Type of production: Book chapter

Position of signature: 3

Format: Book

Degree of contribution: Author or co-author of chapter in book

- 20** KATZALIN OLCOZ HERRERO; J. F. SANTUCCI; JOSE FRANCISCO TIRADO FERNANDEZ. Integration of behavioral testability metrics in high level synthesis. Embedded System Applications. pp. 73 - 87. Kluwer Academic Publishers, 05/10/1997. ISBN 978-1-4419-5179-3

Type of production: Book chapter

Position of signature: 1

Format: Book

Degree of contribution: Author or co-author of chapter in book

- 21** JULIO SEPTIEN DEL CASTILLO; RAFAEL AURELIO MORENO VOZMEDIANO; HORTENSIA MECHA LOPEZ; KATZALIN OLCOZ HERRERO. La familia del MC68000 Lenguaje Ensamblador. Conexión y Programación de interfaces. (Spain): Síntesis, 01/07/1995. ISBN 8477383154

Type of production: Scientific book or monograph

Position of signature: 4

Format: Book

Degree of contribution: Author or co-author of entire book

Works submitted to national or international conferences

- 1** **Title of the work:** Applying Game-Learning Environments to Power Capping Scenarios via Reinforcement Learning
Name of the conference: Conference on Cloud Computing, Big Data & Emerging Topics
City of event: La Plata, Argentina
Date of event: 06/07/2022
Type of contribution: Scientific book or monograph
Pablo Hernández; Luis Costero; Katzalin Olcoz; Francisco D. Igual. "Cloud Computing, Big Data {&} Emerging Topics". pp. 91 - 106. Springer International Publishing, 2022. ISBN 978-3-031-14599-5
- 2** **Title of the work:** A Machine Learning-Based Framework for Throughput Estimation of Time-Varying Applications in Multi-Core Servers
Name of the conference: 27th IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC)
City of event: Cuzco, Peru
Date of event: 06/10/2019
End date: 09/10/2019
Organising entity: IEEE
A Iranfar; W. Silva; M Zapater; K Olcoz; S.X. de Souza; D Atienza.
- 3** **Title of the work:** Detecting Time-Fragmented Cache Attacks Against AES Using Performance Monitoring Counters
Name of the conference: 7th Conference on Cloud Computing & Big Data, JCC&BD
City of event: La Plata, Argentina



Date of event: 24/06/2019

End date: 28/06/2019

I Prada; F D Igual; K Olcoz. "Communications in Computer and Information Science". 1050, pp. 3 - 15. Springer,

- 4 Title of the work:** GEM5-X: a GEM5-based system level simulation framework to optimize many-core platforms

Name of the conference: Spring Simulation Conference (SpringSim)

City of event: Tucson, United States of America

Date of event: 29/04/2019

End date: 02/05/2019

Organising entity: IEEE

Yasir M. Qureshi; W. Andrew Simon; Marina Zapater; David Atienza; Katzalin Olcoz.

- 5 Title of the work:** MAMUT: Multi-Agent Reinforcement Learning for Efficient Real-Time Multi-User Video Transcoding

Name of the conference: Design, Automation & Test in Europe Conference & Exhibition (DATE)

City of event: Florence, Italy

Date of event: 25/03/2019

End date: 29/03/2019

Organising entity: IEEE

L Costero; A Iranfar; M Zapater; F D Igual; K Olcoz; D Atienza.

- 6 Title of the work:** Level-Spread: A New Job Allocation Policy for Dragonfly Networks

Name of the conference: IEEE International Parallel and Distributed Processing Symposium

City of event: Vancouver, Canada

Date of event: 21/05/2018

End date: 25/05/2018

Organising entity: IEEE

Yijia Zang; Ozan Tuncer; Fulya Kaplan; Katzalin Olcoz; Vitus J. Leung; Ayse K. Coskun.

- 7 Title of the work:** User-Profile-Based Analytics for Detecting Cloud Security Breaches

Name of the conference: 4th International Workshop on Privacy and Security of Big Data, PSBD

Type of event: Conference

Geographical area: Non EU International

City of event: Boston, United States of America

Date of event: 14/12/2017

Organising entity: IEEE

Trishita Tiwari; Ata Turk; Alina Oprea; KATZALIN OLCOZ HERRERO; Ayse K. Coskun.

- 8 Title of the work:** Energy Efficiency Optimization of Task-Parallel Codes on Asymmetric Architectures

Name of the conference: IEEE International Conference on High Performance Computing and Simulation, IEEE HPCS

Type of event: Conference

Geographical area: Non EU International

City of event: Génova, Italy

Date of event: 17/07/2017

End date: 21/07/2017

Organising entity: IEEE

LUIS MARIA COSTERO VALERO; FRANCISCO DANIEL IGUAL PEÑA; KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ. pp. 402 - 409.

DOI: 10.1109/HPCS.2017.67



- 9** **Title of the work:** Refactoring Conventional Task Schedulers to Exploit Asymmetric ARM big.LITTLE Architectures in Dense Linear Algebra
Name of the conference: IEEE International Parallel and Distributed Processing Symposium Workshops
Type of event: Conference
City of event: Chicago, United States of America
Date of event: 23/05/2016
End date: 27/05/2016
Organising entity: IEEE
LUIS MARIA COSTERO VALERO; FRANCISCO DANIEL IGUAL PEÑA; KATZALIN OLCOZ HERRERO; Sandra Catalán; Rafael Rodríguez Sánchez; Enrique S. Quintana Ortí. pp. 692 - 701.
DOI: 10.1109/IPDPSW.2016.104
- 10** **Title of the work:** Evolutionary power modeling for high-end servers in cloud data centers
Name of the conference: Mathematical modelling in engineering & human behaviour, 2014
Type of event: Conference
City of event: Valencia, Spain
Date of event: 03/09/2014
Patricia Arroba; J. L. RISCO MARTIN; MARINA ZAPATER SANCHO; Jose M. Moya; JOSE LUIS AYALA RODRIGO; KATZALIN OLCOZ HERRERO.
- 11** **Title of the work:** Unserializable Interleaving Detection using Hardware Counters
Name of the conference: 24th IASTED International Conference on Parallel and Distributed Computing and Systems
Type of event: Conference **Geographical area:** Non EU International
City of event: Las Vegas, United States of America
Date of event: 12/11/2012
End date: 14/11/2012
Organising entity: IASTED
Fernando Emmanuel Frati; KATZALIN OLCOZ HERRERO; LUIS PIÑUEL MORENO; Marcelo Naiouf; ARMANDO EDUARDO DE GIUSTI RUBIO. pp. 230 - 236. Acta Press,
DOI: 10.2316/P.2012.789-058
- 12** **Title of the work:** Exploration of Memory Hierarchy Configurations for Efficient Garbage Collection on High-Performance Embedded Systems
Name of the conference: 19th ACM Great Lakes Symposium on VLSI
Type of event: Conference **Geographical area:** Non EU International
City of event: Boston, United States of America
Date of event: 10/05/2009
End date: 12/05/2009
Organising entity: ACM
City organizing entity: United States of America
JOSÉ MANUEL VELASCO CABO; DAVID ATIENZA ALONSO; KATZALIN OLCOZ HERRERO. pp. 3 - 8.
ISBN 978-1-60558-522-2
DOI: 10.1145/1531542.1531549
- 13** **Title of the work:** Energy Characterization of Garbage Collectors for Dynamic Applications on Embedded Systems
Name of the conference: International workshop on Power and Timing Modeling, Optimization and Simulation, PATMOS
Type of event: Conference **Geographical area:** Non EU International
City of event: Lovaina, Belgium
Date of event: 20/09/2005



City organizing entity: Belgium

JOSE MANUEL VELASCO CABO; DAVID ATIENZA ALONSO; KATZALIN OLCOZ HERRERO; FRANCKY CATTHOOR; JOSE FRANCISCO TIRADO FERNANDEZ; JOSE MANUEL MENDIAS CUADROS. pp. 69 - 78.

DOI: 10.1007/11556930_8

14 Title of the work: Performance Evaluation of Barrier Techniques for Distributed Tracing Garbage Collectors

Name of the conference: Parallel Computing Conference, ParCo

Type of event: Conference

Geographical area: Non EU International

City of event: Málaga, Spain

Date of event: 13/09/2005

JOSE MANUEL VELASCO CABO; DAVID ATIENZA ALONSO; KATZALIN OLCOZ HERRERO; FRANCKY CATTHOOR.

15 Title of the work: Adaptive Tuning of the reserved Space in the Appel Collection Strategy

Name of the conference: European Conference on Object-Oriented Programming, ECOOP 2004

Type of event: Conference

Geographical area: European Union

City of event: Oslo, Norway

Date of event: 14/06/2004

JOSE MANUEL VELASCO CABO; KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ.

16 Title of the work: Dynamic Management of Nursery Space Organization in Generational Collection

Name of the conference: 8th Workshop on Interaction between Compilers and Computer Architectures, INTERACT-8

Type of event: Conference

Geographical area: Non EU International

City of event: Madrid, Spain

Date of event: 15/02/2004

JOSE MANUEL VELASCO CABO; Antonio Ortiz; KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ.

17 Title of the work: Garbage Collector Refinements for New Dynamic Multimedia Applications on Embedded Systems

Name of the conference: 8th Workshop on Interaction between Compilers and Architecture, INTERACT-8

Type of event: Conference

Geographical area: Non EU International

City of event: Madrid, Spain

Date of event: 15/02/2004

JOSE MANUEL VELASCO CABO; DAVID ATIENZA ALONSO; FRANCKY CATTHOOR; JOSE FRANCISCO TIRADO FERNANDEZ; KATZALIN OLCOZ HERRERO; JOSE MANUEL MENDIAS CUADROS.

18 Title of the work: Register allocation with simultaneous BIST intrusion

Name of the conference: Euromicro Conference

Type of event: Conference

Geographical area: Non EU International

City of event: Vaasteras, Sweden

Date of event: 27/08/1998

KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ.

19 Title of the work: Test time and area tradeoffs by adjusting design space search

Name of the conference: IEEE European Test Workshop

Type of event: Conference

Geographical area: European Union

City of event: Sitges, Spain



Date of event: 27/05/1998

Organising entity: IEEE

KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ.

- 20 Title of the work:** Testability and Cost Driven Hardware Allocation
Name of the conference: First International Test Synthesis Workshop
Type of event: Taller de trabajo **Geographical area:** Non EU International
City of event: Santa Bárbara, United States of America
Date of event: 18/05/1994
KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ; DANIEL MOZOS MUÑOZ;
JULIO SEPTIEN DEL CASTILLO; RAFAEL AURELIO MORENO VOZMEDIANO; HORTENSIA MECHA
LOPEZ.

- 21 Title of the work:** Un Enfoque Global al Problema de la Síntesis de Alto Nivel
Name of the conference: VIII Congreso de Diseño de Circuitos Integrados, DCIS'93
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Málaga, Spain
Date of event: 01/11/1993
RAFAEL AURELIO MORENO VOZMEDIANO; ROMAN HERMIDA CORREA; DANIEL MOZOS MUÑOZ;
KATZALIN OLCOZ HERRERO.

- 22 Title of the work:** A Simultaneous Scheduling and Allocation Algorithm for High-Level Synthesis
Name of the conference: 11th IASTED International Conference: Applied Informatics
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Annecy, France
Date of event: 21/05/1993
City organizing entity: France
RAFAEL AURELIO MORENO VOZMEDIANO; ROMAN HERMIDA CORREA; DANIEL MOZOS MUÑOZ;
KATZALIN OLCOZ HERRERO.

- 23 Title of the work:** A Testable Allocation Scheme with Simultaneous Testability and Cost Optimization
Name of the conference: 11th IASTED International Conference: Applied Informatics
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Annecy, France
Date of event: 19/05/1993
KATZALIN OLCOZ HERRERO; JOSE FRANCISCO TIRADO FERNANDEZ; DANIEL MOZOS MUÑOZ;
JULIO SEPTIEN DEL CASTILLO; RAFAEL AURELIO MORENO VOZMEDIANO.

- 24 Title of the work:** Influencias de factores del Nivel Físico en la Estimación de Area y Tiempo en Síntesis de Alto Nivel
Name of the conference: VII Congreso de Diseño de Circuitos Integrados, DCIS92
Type of event: Conference **Geographical area:** National
City of event: Toledo, Spain
Date of event: 03/11/1992
HORTENSIA MECHA LOPEZ; JULIO SEPTIEN DEL CASTILLO; ROMAN HERMIDA CORREA; KATZALIN
OLCOZ HERRERO.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Technical Program Committee of the Euromicro International Conference on Parallel, Distributed and Network-based Processing
Primary (UNESCO code): 330411 - Computing systems design
Start-End date: 26/08/2021 - 08/01/2022
- 2** **Committee title:** Technical Program Committee of the Euromicro International Conference on Parallel, Distributed and Network-based Processing
Primary (UNESCO code): 330411 - Computing systems design
Start-End date: 26/08/2020 - 08/01/2021
- 3** **Committee title:** Technical Program Committee of the International Conference on Supercomputing
Primary (UNESCO code): 330411 - Computing systems design
Start-End date: 01/03/2020 - 01/06/2020
- 4** **Committee title:** Technical Program Committee of the International Conference on VLSI Design
Primary (UNESCO code): 330411 - Computing systems design
Start-End date: 06/01/2020 - 08/01/2020
- 5** **Committee title:** Technical Program Committee of the ACM/IEEE International Symposium on Low Power Electronics and Design
Primary (UNESCO code): 330411 - Computing systems design
Start-End date: 29/07/2019 - 31/07/2019

Organization of R&D activities

- 1** **Title of the activity:** Great Lakes Symposium on VLSI 2013
Type of activity: Congreso
City of event: París, France
Convening entity: IEEE
Type of participation: Organiser
Start-End date: 02/05/2013 - 04/05/2013
- 2** **Title of the activity:** 21ST INT. WORKSHOP ON POWER AND TIMING MODELING, OPTIMIZATION AND SIMULATION (PATMOS 2011)
Type of activity: Congreso
City of event: Madrid, Spain
Convening entity: IEEE
Type of participation: Organiser
Start-End date: 26/09/2011 - 29/09/2011
Geographical area: Non EU International
- 3** **Title of the activity:** 18TH IEEE/IFIP INTERNATIONAL CONFERENCE ON VLSI AND SYSTEM-ON-CHIP (VLSI-SOC 2010).
Type of activity: Congreso
City of event: Madrid, Spain
Geographical area: Non EU International

**Convening entity:** IEEE**Type of participation:** Organiser**Start-End date:** 27/09/2010 - 29/09/2010**R&D management**

- 1** **Name of the activity:** Comisión de evaluación del programa Ramón y Cajal
Type of management: Programme management
Performed tasks: Evaluación de los candidatos al programa Ramón y Cajal
Entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: State agency
Start date: 01/04/2022
Duration: 1 day
- 2** **Name of the activity:** Comisión de evaluación del programa Ramón y Cajal
Type of management: Programme management
Performed tasks: Evaluación de los candidatos al programa Ramón y Cajal
Entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: State agency
Start date: 19/06/2019
Duration: 1 day
- 3** **Name of the activity:** Comisión de evaluación del programa Juan de la Cierva
Type of management: Programme management
Performed tasks: Evaluación de los candidatos al programa Juan de la Cierva
Entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: State agency
Start date: 14/03/2013
Duration: 1 day
- 4** **Name of the activity:** Comisión de evaluación del programa Ramón y Cajal
Type of management: Programme management
Performed tasks: Evaluación de los candidatos al programa Ramón y Cajal
Entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: State agency
Start date: 06/05/2011
Duration: 1 day
- 5** **Name of the activity:** Comisión de evaluación del programa Juan de la Cierva
Type of management: Programme management
Performed tasks: Evaluación de los candidatos al programa Juan de la Cierva
Entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: State agency
Start date: 05/05/2011
Duration: 1 day
- 6** **Name of the activity:** Adjunta a la coordinación del Area de Ciencias de la Computación y Tecnología Informática de la Agencia Nacional de Evaluación y Prospectiva
Type of management: Management of R&D&I actions and projects
Performed tasks: Evaluación de proyectos de investigación
Entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: State agency
Start date: 01/09/2009
Duration: 3 years - 11 months



Other achievements

Stays in public or private R&D centres

- 1** **Entity:** EPFL
Faculty, institute or centre: EcoCloud
City of entity: Lausanne, Switzerland
Start-End date: 01/04/2018 - 30/06/2018
Goals of the stay: Guest
Type of entity: University
Duration: 3 months
- 2** **Entity:** Boston University
City of entity: Boston, United States of America
Start-End date: 03/08/2017 - 13/12/2017
Goals of the stay: Post-doctoral
Provable tasks: Colaboración con el grupo de investigación Performance and Energy Aware Computing Laboratory, PeacLab
Duration: 4 months - 12 days
- 3** **Entity:** Centro Nacional Alemán de Investigación en Informática GMD
City of entity: Bonn, Germany
Start-End date: 04/10/1993 - 18/12/1993
Goals of the stay: Doctorate
Provable tasks: Asignación de rutas de datos testables
Duration: 2 months - 15 days

Periods of research activity

Nº of recognized periods: 3
Certifying entity: CNEAI
Date of recognition: 2017

Summary of other achievements

Description of the achievement: Secretaria de la Sociedad de Arquitectura y Tecnología de Computadores, SARTECO.
Conferral date: 20/09/2012