



Carlos Laorden Gómez

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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.

A 26 de mayo de 2016.

Número de sexenios de investigación: 0 (aunque se cuenta con méritos suficientes para obtener uno en el período 2010-2014)

Número de tesis doctorales dirigidas en los últimos 10 años: 1

Número de citas totales: 403

Número de citas desde 2011: 400

Promedio de citas/año durante los últimos 5 años (2011-2015): 80

Publicaciones totales en primer cuartil (Q1): 3

Índice H: 12

Índice i-10: 12



Carlos Laorden Gómez

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Current professional situation

Employing entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Department: Computing, DeustoTech

Professional category: Investigador

Start date: 01/12/2012

Employing entity: Universidad de Deusto

Type of entity: University

Professional category: Profesor asociado

Start date: 01/09/2012

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Deusto	Director de título propio	01/09/2014
2	FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA	Ayudante de investigación	01/10/2010
3	FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA	Beca EPIF (beca de doctorado)	01/10/2008
4		Beca de investigación	01/10/2007



	Employing entity	Professional category	Start date
	FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA		
5	Softeca Internet, S.L.	Contrato de prácticas	16/07/2007
6	Augmented Interaction S.L.	Cofundador de sociedad	01/02/2016
7	IngeDynamics S.L.	Cofundador y administrador de sociedad	19/07/2013

- 1** **Employing entity:** Universidad de Deusto **Type of entity:** University
Professional category: Director de título propio
Start-End date: 01/09/2014 - 01/09/2015 **Duration:** 1 year
Performed tasks: Director del Diploma de especialización en Seguridad de la información desde su edición 2014-2015, anteriormente denominado Máster Universitario en Seguridad de la Información.
- 2** **Employing entity:** FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Professional category: Ayudante de investigación
Start-End date: 01/10/2010 - 31/07/2012 **Duration:** 1 year - 10 months
- 3** **Employing entity:** FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Professional category: Beca EPIF (beca de doctorado)
Start-End date: 01/10/2008 - 30/09/2010 **Duration:** 2 years
- 4** **Employing entity:** FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Professional category: Beca de investigación
Start-End date: 01/10/2007 - 30/09/2008 **Duration:** 1 year
- 5** **Employing entity:** Softeca Internet, S.L. **Type of entity:** Business
Professional category: Contrato de prácticas
Start-End date: 16/07/2007 - 31/08/2007 **Duration:** 1 month - 15 days
- 6** **Employing entity:** Augmented Interaction S.L.
Professional category: Cofundador de sociedad
Start date: 01/02/2016
Performed tasks: Cofundador de la sociedad mercantil de base tecnológica Augmented Interaction, constituida en 2016 con el objetivo de proveer de soluciones de Realidad Aumentada a la sociedad.
- 7** **Employing entity:** IngeDynamics S.L. **Type of entity:** Business
Professional category: Cofundador y administrador de sociedad
Start date: 19/07/2013 **Duration:** 1 year
Performed tasks: Administrador único de la sociedad mercantil IngeDynamics, constituida en 2013 con el objetivo de proveer de soluciones de eficiencia energética a la sociedad.



Education

University education

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

- 1** **University degree:** Higher degree
Name of qualification: Ingeniería Informática
Degree awarding entity: Universidad de Deusto **Type of entity:** University
Date of qualification: 2008
- 2** **University degree:** Middle degree
Name of qualification: Ingeniería Técnica en Informática de Gestión
Degree awarding entity: Universidad de Deusto **Type of entity:** University
Date of qualification: 2006

Doctorates

Doctorate programme: Sistemas de Información
Degree awarding entity: Universidad de Deusto **Type of entity:** University
Date of degree: 05/07/2012
Date DEA was awarded: 19/11/2010
European doctorate: Yes **Date of certificate:** 05/07/2012
Thesis title: Semantic-aware Unsolicited Mail Filtering With Reduction Of Labelling Efforts
Obtained qualification: Cum Laude

Other postgraduate university studies

- 1** **Postgraduate qualification:** Máster Universitario en Seguridad de la Información
Degree awarding entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
Date of qualification: 2011
- 2** **Postgraduate qualification:** Diploma de Estudios Avanzados (DEA)
Degree awarding entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
Date of qualification: 2010



Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- 1 Title of course/seminar:** Mobile App Analytics Fundamentals
Goals of the course/seminar: Learn how Google Analytics data can help you make your app more discoverable and profitable
Organising entity: Google Inc **Type of entity:** Business
Duration in hours: 3 hours
Start-End date: 27/11/2014 - 27/11/2014
- 2 Title of course/seminar:** Google Analytics Platform Principles
Goals of the course/seminar: Deep into how the platform collects, transforms, and organizes data in Analytics.
Organising entity: Google Inc
Duration in hours: 3 hours
Start-End date: 11/03/2014 - 27/03/2014
- 3 Title of course/seminar:** Desarrollo de Aplicaciones en HTML5 y para Dispositivos Móviles Firefox O.S.
Organising entity: Universidad Politécnica de Madrid **Type of entity:** University
Duration in hours: 35 hours
Start-End date: 11/11/2013 - 15/01/2014
- 4 Title of course/seminar:** Introducción al análisis estadístico de datos con R
Organising entity: Universidad Católica San Antonio de Murcia **Type of entity:** University
Duration in hours: 30 hours
Start-End date: 21/10/2013 - 30/12/2013
- 5 Title of course/seminar:** Estadística para investigadores
Organising entity: Universidad de Salamanca **Type of entity:** University
Duration in hours: 35 hours
Start-End date: 08/11/2013 - 22/12/2013

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Basque	A1	A1	A1	A1	A1
English	C2	C2	C1	C1	C2

Teaching experience



General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: Ingeniería web
University degree: Doble Grado en ADE + Ingeniería Informática
Start date: 01/09/2015 **End date:** 01/07/2016
End date: 2016 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6
Entity: Universidad de Deusto **Type of entity:** University
City of entity: San Sebastián, Basque Country, Spain
Assessment entity: Universidad de Deusto **Type of entity:** University
- 2** **Type of teaching:** Official teaching
Name of the course: Ingeniería web
University degree: Doble Grado en ADE + Ingeniería Informática
Start date: 01/09/2014 **End date:** 01/07/2015
End date: 2015 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6
Entity: Universidad de Deusto **Type of entity:** University
City of entity: San Sebastián, Basque Country, Spain
Assessment entity: Universidad de Deusto **Type of entity:** University
Mark obtained: 4,41 **Top mark possible:** 5
- 3** **Name of the course:** Técnicas de Inteligencia Artificial aplicadas a la Ingeniería - Modelos Bayesianos
Type of programme: Doctorate
University degree: Programa de Doctorado en Ingeniería para la Sociedad de la Información y Desarrollo Sostenible
Start date: 16/02/2015 **End date:** 18/02/2015
End date: 2015 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 7,5
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
- 4** **Name of the course:** Nuevas perspectivas en el filtrado de spam
Type of programme: Diploma
University degree: Diploma de Especialización en Seguridad de la Información
Start date: 2014 **End date:** 2015
End date: 2015 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 7
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
- 5** **Type of teaching:** Official teaching
Name of the course: Ingeniería web
University degree: Doble Grado en ADE + Ingeniería Informática
Start date: 01/09/2013 **End date:** 01/07/2014
End date: 2014 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6
Entity: Universidad de Deusto **Type of entity:** University



City of entity: San Sebastián, Basque Country, Spain
Assessment entity: Universidad de Deusto
Mark obtained: 4,46

Type of entity: University
Top mark possible: 5

6 **Name of the course:** Nuevas perspectivas en el filtrado de spam
Type of programme: Master's degree
University degree: Máster Universitario en Seguridad de la Información
Start date: 2013 **End date:** 2014
End date: 2014 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 10,5
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería

7 **Name of the course:** Proyecto
Type of programme: Master's degree
University degree: Máster Universitario en Seguridad de la Información
Start date: 2013 **End date:** 2014
End date: 2014 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 3,5
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería

8 **Type of teaching:** Official teaching
Name of the course: Ingeniería web
University degree: Doble Grado en ADE + Ingeniería Informática
Start date: 01/09/2012 **End date:** 01/07/2013
End date: 2013 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6
Entity: Universidad de Deusto **Type of entity:** University
City of entity: San Sebastián, Basque Country, Spain
Assessment entity: Universidad de Deusto **Type of entity:** University

9 **Name of the course:** Nuevas perspectivas en el filtrado de spam
Type of programme: Master's degree
University degree: Máster Universitario en Seguridad de la Información
Start date: 2012 **End date:** 2013
End date: 2013 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 10,5
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
Mark obtained: 3,49 **Top mark possible:** 5

10 **Name of the course:** Seguridad en redes sociales
Type of programme: Master's degree
University degree: Máster Universitario en Seguridad de la Información
Start date: 2012 **End date:** 2013
End date: 2013 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 7
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
Mark obtained: 3,43 **Top mark possible:** 5



- 11** **Name of the course:** Nuevas perspectivas en el filtrado de spam
Type of programme: Master's degree
University degree: Máster Universitario en Seguridad de la Información
Start date: 2011 **End date:** 2012
End date: 2012 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 10,5
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
Mark obtained: 4,76 **Top mark possible:** 5
- 12** **Name of the course:** Seguridad en redes sociales
Type of programme: Master's degree
University degree: Máster Universitario en Seguridad de la Información
Start date: 2011 **End date:** 2012
End date: 2012 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 7
Entity: Universidad de Deusto **Type of entity:** University
Faculty, institute or centre: Facultad de Ingeniería
Mark obtained: 4,38 **Top mark possible:** 5

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** A Comprehensive Human-Computer Interaction Model for Augmented Reality Systems
Type of project: Doctoral thesis
Entity: Universidad de Deusto **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Student: Mikel Salazar González
Obtained qualification: Cum Laude
Date of reading: 23/10/2015
- 2** **Project title:** Desarrollo de un sistema de creación de Interfaces de Usuario seguras para sistemas de Realidad Aumentada
Type of project: Minor thesis
Entity: Universidad de Deusto **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Student: Mikel Salazar González
Obtained qualification: 9,7
Date of reading: 13/09/2012
- 3** **Project title:** Towards a more efficient and personalised advertisement content in on-line social networks
Type of project: Doctoral thesis
Entity: Universidad de Deusto **Type of entity:** University
City of entity: Bilbao, Basque Country, Spain
Student: Patxi Galán García



Educational or pedagogical publications, books, articles, etc.

- 1** Carlos Laorden. Web Engineering (with content maintained and updated from 2012 to present).
Name of the materials: On-line teaching materials, Faculty of Engineering
Date of drafting: 01/09/2012
Format: Notes
Justification of material: - Notes online. - Slideshow of all topics. - Software demos. - Documentation with specifications for exercises / practices. - Source code templates for exercises / projects. - Solutions for exercises / projects.
- 2** Carlos Laorden. Web Engineering (with content maintained and updated from 2012 to present).
Name of the materials: Website and ALUD 2.0 (Moodle-based Course Management System used at Universidad de Deusto)
Date of drafting: 01/09/2012
Format: Notes
- 3** Carlos Laorden. New perspectives on spam filtering for the Master's Degree in Information Security (with content maintained and updated from 2011 to present).
Name of the materials: On-line teaching materials, Faculty of Engineering
Date of drafting: 01/09/2011
Format: Notes
Justification of material: - Notes online. - Slideshow of all topics. - Software demos. - Documentation with specifications for exercises / practices. - Source code templates for exercises / projects. - Solutions for exercises / projects.
- 4** Carlos Laorden; Borja Sanz. Security in social platforms for the Master's Degree in Information Security (with content maintained and updated from 2011 to present).
Name of the materials: On-line teaching materials, Faculty of Engineering
Date of drafting: 01/09/2011
Format: Notes
Justification of material: - Slideshow of all topics. - Documentation with specifications for exercises / practices. - Solutions for exercises / projects.
- 5** Carlos Laorden. New perspectives on spam filtering (with content maintained and updated from 2011 to present).
Name of the materials: Website and ALUD 2.0 (Moodle-based Course Management System used at Universidad de Deusto)
Date of drafting: 01/09/2011
Format: Notes
- 6** Carlos Laorden. Security in social platforms (with content maintained and updated from 2011 to present).
Name of the materials: Website and ALUD 2.0 (Moodle-based Course Management System used at Universidad de Deusto)
Date of drafting: 01/09/2011
Format: Notes
- 7** Mikel Salazar; Jose Gaviria; Carlos Laorden; Pablo García Bringas. Enhancing cybersecurity learning through an augmented reality-based serious game. Global Engineering Education Conference (EDUCON), 2013 IEEE. pp. 602 - 607. IEEE, 15/03/2013. ISBN 978-1-4673-6111-8
Name of the materials: Enhancing cybersecurity learning through an augmented reality-based serious game
Format: Article(s)



Other activities/achievements not included above

- 1** **Description of the activity:** Asesor del proyecto Zientzia Azoka (Feria Científica) en la edición 2015-2016
Organising entity: FUNDACION ELHUYAR / ELHUYAR FUNDAZIOA
End date: 2016
- 2** **Description of the activity:** Vocal del Tribunal Suplente de la Tesis Doctoral de D. Kenneth Lobato Lastra
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 10/12/2015
- 3** **Description of the activity:** Vocal del Tribunal Suplente de la Tesis Doctoral de D. Iván García Ferreira
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 23/10/2015
- 4** **Description of the activity:** Impartición de seminario "Aprendiendo a presentar" a alumnos y cuerpo docente de la Facultad de CC. EE. y Empresariales de la Universidad de Deusto
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 17/03/2015
- 5** **Description of the activity:** Asesor del proyecto Zientzia Azoka (Feria Científica) en la edición 2014-2015
Organising entity: FUNDACION ELHUYAR / ELHUYAR FUNDAZIOA
End date: 2015
- 6** **Description of the activity:** Vocal del Tribunal Suplente de la Tesis Doctoral de D. Aitor Santamaría Ibirika
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 24/10/2014
- 7** **Description of the activity:** Vocal del Tribunal Suplente de la Tesis Doctoral de D. Jorge de la Peña Sordo
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 24/10/2014
- 8** **Description of the activity:** Organización y coordinación del Máster Universitario en Seguridad de la Información 2012-2013
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 30/09/2014
- 9** **Description of the activity:** Tutor de prácticas de alumnos de Universidad de Deusto: Nahikari Saenz de Urturi
City of activity: Bilbao, Basque Country, Spain
Organising entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
End date: 18/07/2014
- 10** **Description of the activity:** Tutor de prácticas de alumnos de Universidad de Deusto: Nora Sarrionandia
City of activity: Bilbao, Basque Country, Spain
Organising entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
End date: 18/07/2014
- 11** **Description of the activity:** Tutor de prácticas de alumnos de Universidad de Deusto: Jonathan González Benés
City of activity: Bilbao, Basque Country, Spain
Organising entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA



End date: 20/06/2014

- 12** **Description of the activity:** Vocal del Tribunal Suplente de la Tesis Doctoral de D. Félix Brezo Fernández
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 07/02/2014
- 13** **Description of the activity:** Participación en el comité de evaluación de Proyectos Fin de Máster del Máster Universitario en Seguridad de la Información
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 2014
- 14** **Description of the activity:** Vocal 2º de la Tesis Doctoral de D. Enrique Puertas Sanz, titulada : Ingeniería de Atributos y Minería de Datos para la Recuperación de Información con Adversario. Tesis dirigida por el Dr. José María Gómez Hidalgo. Universidad Europea de Madrid. Diciembre de 2013
Organising entity: Universidad Europea de Madrid **Type of entity:** University
End date: 19/12/2013
- 15** **Description of the activity:** Organización y coordinación del Máster Universitario en Seguridad de la Información 2012-2013
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 30/09/2013
- 16** **Description of the activity:** Vocal del Tribunal Suplente de la Tesis Doctoral de D. Iker Pastor López
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 12/07/2013
- 17** **Description of the activity:** Tutor de prácticas de alumnos de Universidad de Deusto: Arthur Christian Huamani Cuba
City of activity: Bilbao, Basque Country, Spain
Organising entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
End date: 31/05/2013
- 18** **Description of the activity:** Tutor de prácticas de alumnos de Universidad de Deusto: Arthur Christian Huamani Cuba
City of activity: Bilbao, Basque Country, Spain
Organising entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
End date: 31/05/2013
- 19** **Description of the activity:** Organización y coordinación del Máster Universitario en Seguridad de la Información 2011-2012
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 30/09/2012
- 20** **Description of the activity:** Impartición de seminario "Aprendiendo a presentar" a alumnos del Máster Universitario en Seguridad de la Información
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 13/06/2012
- 21** **Description of the activity:** Organización y coordinación del Máster Universitario en Seguridad de la Información 2010-2011
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 30/09/2011



- 22** **Description of the activity:** Organización y coordinación del Máster Universitario en Seguridad de la Información 2009-2010
Organising entity: Universidad de Deusto **Type of entity:** University
End date: 30/09/2010
- 23** **Description of the activity:** Profesor e investigador adscrito al Programa de Doctorado en Ingeniería para la Sociedad de la Información y Desarrollo Sostenible
Organising entity: Universidad de Deusto **Type of entity:** University

Healthcare experience

Healthcare innovation projects

- 1** **Name of the project:** H2-HLA: Herramienta para el tipaje de alta resolución y de alta capacidad de antígenos HLA
Entity where project took place: Progenika Biopharma, **Type of entity:** Business S.A.
Name of the call: Ministerio de Economía y Competitividad: Retos de Colaboración
Amount awarded: 176,69
Start date: 2014 **Duration:** 4 years
- 2** **Name of the project:** NEOBIO. Nuevos productos para la salud reproductiva y prenatal. ER-2012/00015
Entity where project took place: Progenika Biopharma, **Type of entity:** Business S.A.
Start date: 2013 **Duration:** 2 years
- 3** **Name of the project:** HanturaTech. Nuevas Tecnologías para la Identificación y Validación de Candidatos Terapéuticos en Inflamación. ER-2011/00015
Entity where project took place: Progenika Biopharma, **Type of entity:** Business S.A.
Start date: 2012 **Duration:** 2 years
- 4** **Name of the project:** LIPOuniversal: Plataforma para el diagnóstico universal de la hipercolesterolemia familiar
Type of project: Clinical
Entity where project took place: Progenika Biopharma, **Type of entity:** Business S.A.
Start date: 2011 **Duration:** 4 years
- 5** **Name of the project:** PROGENIKA2. Clasificación de individuos afines a cáncer de pulmón
Entity where project took place: Progenika Biopharma, **Type of entity:** Business S.A.
Start date: 2011 **Duration:** 2 years
- 6** **Name of the project:** PROGENIKA1. Experimentación con Información Genética para Secuenciación Humana: (1) Secuenciación Genética, (2) Reconocimiento de patrones patógenos, (3) Clasificación de individuos afines a hipercolesterolemia
Entity where project took place: Progenika Biopharma, **Type of entity:** Business S.A.
Start date: 2010 **Duration:** 2 years



Scientific and technological experience

Research and development groups/teams

1 Name of the group: Deusto for Knowledge - D4K

Aims of the group: Facilitar y fomentar las actividades de investigación, así como aumentar la calidad científica, el impacto social y la visibilidad internacional de la investigación realizada por los grupos de los departamentos e institutos universitarios de las universidades con sede en la Comunidad Autónoma del País Vasco

Standardised code: IT741-13

Affiliation entity: Universidad de Deusto

Type of entity: University

Start date: 2013

Duration: 3 years

2 Name of the group: Deusto for Knowledge - D4K

Aims of the group: Facilitar y fomentar las actividades de investigación, así como aumentar la calidad científica, el impacto social y la visibilidad internacional de la investigación realizada por los grupos de los departamentos e institutos universitarios de las universidades con sede en la Comunidad Autónoma del País Vasco

Affiliation entity: Universidad de Deusto

Type of entity: University

Start date: 2010

Duration: 3 years

Scientific or technological activities

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

1 Name of the project: CLOUD-MODISIGN: Firma Digital en el Móvil basada en la Nube

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI...): Borja Sanz Urquijo

Nº of researchers: 4

Funding entity or bodies:

Gobierno Vasco

Type of entity: GAITEK

City funding entity: Spain

Start-End date: 2014 - 2015

Participating entity/entities: CodeSyntax; Deloitte Consulting, S.L.; FUNDACION TECNALIA CORPORACION TECNOLOGICA; FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA; Informática de Euskadi

2 Name of the project: Child Guardian: Plataforma para la protección del menor ante abusos o usos indebidos en Dispositivos móviles

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI...): Carlos Laorden Gómez

Nº of researchers: 5

Funding entity or bodies:

Gobierno Vasco

Type of entity: GAITEK

City funding entity: Spain

Start-End date: 2014 - 2015

Participating entity/entities: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA; Informática de Euskadi



- 3** **Name of the project:** Deusto for Knowledge - D4K, Grupo de Investigación Reconocido por el Sistema Universitario Vasco (IT741-13)
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 10
Funding entity or bodies:
Eusko Jaurlaritzza - Gobierno Vasco. Departamento de Universidades e Investigación, 2010
Start-End date: 2013 - 2015 **Duration:** 3 years
Total amount: 51,5
- 4** **Name of the project:** ACSAS: Análisis de Campañas y Sensibilidad a la Ambigüedad lingüística para la mejora del filtrado de Spam
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Carlos Laorden Gómez
Nº of researchers: 3
Funding entity or bodies:
Gobierno Vasco **Type of entity:** GAITEK
City funding entity: Spain
Start-End date: 2013 - 2014
Participating entity/entities: AVANGROUP; FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
- 5** **Name of the project:** NEOBIO. Nuevos productos para la salud reproductiva y prenatal. ER-2012/00015
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 6
Funding entity or bodies:
Gobierno Vasco. Programa ETORGAI 2012
Start-End date: 2013 - 2014 **Duration:** 2 years
Participating entity/entities: Consultec S.A.; Dynakin, S.L.; Progenika Biopharma, S.A.
Total amount: 109.000
- 6** **Name of the project:** MARSOL. Modelos de propagación de malware a través de redes sociales on-line. TIN2011-29709-C02-02
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Dr. Gonzalo Álvarez Marañón
Nº of researchers: 7
Funding entity or bodies:
Ministerio de Ciencia e Innovación. PLAN NACIONAL DE I+D 2011
Start-End date: 2012 - 2014
Participating entity/entities: CSIC; Deusto
Total amount: 12.705
- 7** **Name of the project:** PROMEC. Nuevas técnicas de predicción de propiedades mecánicas en materiales reforzados con nanopartículas. 6/12/TK/2012/00012
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 4
Funding entity or bodies:
Diputación Foral de Bizkaia. Programa Centros de Excelencia 2012



Start-End date: 2012 - 2014

Participating entity/entities: Azterlan, Centro de Investigación Metalúrgica; SDAD. COOPERATIVA LIMITADA LEA ARTIBAI; Universidad del País Vasco

Total amount: 150.682,02

8 Name of the project: LIPOuniversal: Plataforma para el diagnóstico universal de la hipercolesterolemia familiar

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. Pablo García Bringas

Nº of researchers: 8

Funding entity or bodies:

Ministerio de Economía y Competitividad. Programa INNPACTO 2011

Start-End date: 2011 - 2014

Duration: 4 years

Participating entity/entities: Fundación Deusto; Progenika Biopharma

Total amount: 391.124

9 Name of the project: PRINT. Nueva plataforma para monitorización y control predictivo inteligente en la industria ER-2012/00028

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 4

Funding entity or bodies:

Gobierno Vasco. Programa ETORGAI 2012

Start-End date: 2013 - 2013

Duration: 1 year

Participating entity/entities: Avangroup S.L.; Sidenor Industrial, S. L.; Tubacex, S.A.

Total amount: 40.000

10 Name of the project: HanturaTech. Nuevas Tecnologías para la Identificación y Validación de Candidatos Terapéuticos en Inflamación. ER-2011/00015

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 6

Funding entity or bodies:

Gobierno Vasco. Programa ETORGAI 2011

Start-End date: 2012 - 2013

Duration: 2 years

Participating entity/entities: Consultec S.A.; Progenika Biopharma, S.A.

Total amount: 104.000

11 Name of the project: FutureInternet. A Future Internet Programme

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 7

Funding entity or bodies:

Gobierno Vasco. Programa ETORTEK 2010

Start-End date: 2011 - 2013

Duration: 3 years

Participating entity/entities: European Software Institute; Universidad del País Vasco

Total amount: 142,36



- 12 Name of the project:** Proyecto Europeo ITEA2. DICOMA. Disaster COntrol Management
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 5
Funding entity or bodies:
Programa Europeo ITEA2. Ministerio de Industria, Turismo y Comercio
Start-End date: 2011 - 2013 **Duration:** 3 years
Participating entity/entities: ANSWARETECH, S.L.; Athena; Universitat Autònoma de Barcelona; Finnish Meteorological Institute; Indra; Mantis; Mattersoft; Mobisoft; Oulu University; Savox; Universidad de Sevilla; Universitat Politècnica de Catalunya; Universitat de Girona; VTT
Total amount: 13.125
- 13 Name of the project:** IPRO: Intelligent Foundry Business Process
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 7
Funding entity or bodies:
Programa Europeo Eurostars. Ministerio de Industria. CDTI
Start-End date: 2010 - 2013 **Duration:** 4 years
Participating entity/entities: Azterlan, Centro de Investigación Metalúrgica; Cofundi; Eidologic; Garbi; TS; University of Kempten
Total amount: 12.000
- 14 Name of the project:** BRAINWAVE. Sistema de supercomputación basado en la tecnología GPGPU (General-Purpose-Computation on Graphics Processing Units)
Geographical area: Regional
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 5
Funding entity or bodies:
Diputación Foral de Bizkaia. Programa Centros de Excelencia 2011
Name of the programme: Diputación Foral de Bizkaia. Programa Centros de Excelencia 2011
Start-End date: 2011 - 2012
Participating entity/entities: Azterlan, Centro de Investigación Metalúrgica; Centro de Estudios e Investigaciones Técnicas de Gipuzkoa; Grupo Informática de Euskadi (IDE)
Total amount: 220.201
- 15 Name of the project:** BRANKA4U. Evolución de los servicios bancarios hacia el futuro
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 7
Funding entity or bodies:
Gobierno Vasco. Programa ETORGAI 2010
Start-End date: 2011 - 2012 **Duration:** 2 years
Participating entity/entities: European Software Institute; Global Factory; Ibermática, S.A. ; S21SEC INFORMATION SECURITY LABS S.L.
Total amount: 86,5



- 16** **Name of the project:** COMALTO. Desarrollo de materiales poliméricos reforzados con fibras de basalto para aplicaciones estructurales
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 4
Funding entity or bodies:
Diputación Foral de Bizkaia. Programa Centros de Excelencia 2011
Start-End date: 2011 - 2012 **Duration:** 2 years
Participating entity/entities: Universidad del País Vasco
Total amount: 36.375
- 17** **Name of the project:** GNOSS. Desarrollo de algoritmos de inteligencia artificial aplicados a la agregación, búsqueda facetada y razonamiento para gnoss.com
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Carlos Laorden Gómez
Nº of researchers: 8
Funding entity or bodies:
Ministerio de Industria. CDTI
Start-End date: 2011 - 2012 **Duration:** 2 years
Participating entity/entities: RIAM INTELEARNING LAB S.L
Total amount: 48
- 18** **Name of the project:** Nemesis. Minería de datos Eficiente sobre un Sistema de Supercomputación
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 8
Funding entity or bodies:
Gobierno Vasco. Programa Gaitek 2010
Start-End date: 2011 - 2012 **Duration:** 2 years
Participating entity/entities: Centro de Estudios e Investigaciones Técnicas de Gipuzkoa; Grupo Informática de Euskadi (IDE)
Total amount: 10.322
- 19** **Name of the project:** Desarrollo del laboratorio S3Lab Plan Avanza - Laboratory for Smartness, Semantics and Security, como Centro de Contenidos Experimentales
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas.
Nº of researchers: 10
Funding entity or bodies:
Ministerio de Industria. Plan Avanza 2007. Centros de Conocimiento
Start-End date: 2010 - 2012 **Duration:** 3 years
Total amount: 1.000.000
- 20** **Name of the project:** Deusto for Knowledge - D4K, Grupo de Investigación Reconocido por el Sistema Universitario Vasco
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 8
Funding entity or bodies:



Eusko Jaurlaritz - Gobierno Vasco. Departamento de Universidades e Investigación, 2010

Start-End date: 2010 - 2012

Duration: 3 years

Total amount: 119,07

21 Name of the project: OGRC: Nuevas soluciones OGRC para el cumplimiento de políticas y seguridad digital, IPT-430000-2010-043

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Programa INNPACTO 2010

Start-End date: 2010 - 2012

Duration: 3 years

Participating entity/entities: S21Sec; Universidad Autonoma de Barcelona

Total amount: 158,61

22 Name of the project: Centro de Conocimiento FFBIC: Future Foundry Business Intelligence Centre

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas

Funding entity or bodies:

Ministerio de Industria. Plan Avanza 2009

Start-End date: 2009 - 2012

Duration: 3 years

Participating entity/entities: Azterlan, Centro de Investigación Metalúrgica

Total amount: 1.013.000

23 Name of the project: CONAN. Análisis de nano-agregados CB (Carbon-Black)

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 4

Funding entity or bodies:

Bizkaiko Foru Aldundia - Diputación Foral de Bizkaia, Programa Bizkaiberri, Centros de Excelencia, 2010

Start-End date: 2010 - 2011

Duration: 2 years

Participating entity/entities: Universidad del País Vasco

Total amount: 40

24 Name of the project: MetalCloud: Organización colectiva de conocimiento técnico para las empresas del sector de fundición. 6-12-TK-2010-0011

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 6

Funding entity or bodies:

Bizkaiko Foru Aldundia - Diputación Foral de Bizkaia, Programa Bizkaiberri, Centros de Excelencia, 2010

Start-End date: 2010 - 2011

Participating entity/entities: Azterlan, Centro de Investigación Metalúrgica

Total amount: 203,27

25 Name of the project: Proyecto Europeo ITEA2. GUARANTEE 2: Guardian Angel for Extended home environment [Parte II]

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas



Nº of researchers: 10

Funding entity or bodies:

Programa Europeo ITEA2. Ministerio de Industria, Turismo y Comercio

Start-End date: 2010 - 2011

Duration: 2 years

Participating entity/entities: ETIC; European Software Institute; Ibermática, S.A. ; Universidad Politécnica de Madrid; Visual Tools S.A.

Total amount: 19,39

26 Name of the project: CENIT SEGUR@: Seguridad y Confianza en la Sociedad de la Información, tramo B

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas

Nº of researchers: 8

Funding entity or bodies:

Ministerio de Industria. CDTI. Programa Cenit 2009

Start-End date: 2009 - 2011

Duration: 3 years

Participating entity/entities: OPTENET, S.A.

Total amount: 138,66

27 Name of the project: BRANKA: Factorización de la industria del software. Tramo A

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 7

Funding entity or bodies:

Gobierno Vasco. Programa ETORGAI 2010

Start-End date: 2010 - 2010

Duration: 1 year

Participating entity/entities: S21SEC INFORMATION SECURITY LABS S.L.

Total amount: 40

28 Name of the project: BRANKA: Factorización de la industria del software. Tramo B

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Pablo García Bringas

Nº of researchers: 7

Funding entity or bodies:

Gobierno Vasco. Programa ETORGAI 2010

Start-End date: 2010 - 2010

Duration: 1 year

Participating entity/entities: Global Factory

Total amount: 19,17

29 Name of the project: CLOMA: Análisis y Detección de Malware en Cloud Computing

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Igor Santos Grueiro

Nº of researchers: 5

Funding entity or bodies:

Eusko Jaurlaritzza - Gobierno Vasco. Programa Euskadi09+ 2009

Start-End date: 2009 - 2010

Duration: 2 years

Participating entity/entities: Panda

Total amount: 45,72



- 30** **Name of the project:** NEGOBOT: Análisis conversacional para protección de la infancia en Redes Sociales
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Carlos Laorden Gómez
Nº of researchers: 5
Funding entity or bodies:
Eusko Jaurlaritzta - Gobierno Vasco. Programa Euskadi09+ 2009
Start-End date: 2009 - 2010 **Duration:** 2 years
Participating entity/entities: OPTENET, S.A.
Total amount: 67.018
- 31** **Name of the project:** Proyecto Europeo ITEA2. GUARANTEE: Guardian Angel for Extended home environment [Parte I]
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Dr. Pablo García Bringas
Nº of researchers: 10
Funding entity or bodies:
Programa Europeo ITEA2. Ministerio de Industria, Turismo y Comercio
Start-End date: 2009 - 2010 **Duration:** 2 years
Participating entity/entities: ETIC; European Software Institute; Ibermática, S.A. ; Universidad Politécnica de Madrid; Visual Tools S.A.
Total amount: 27,61
- 32** **Name of the project:** Sirius, Integral Reliability for Unified mobile-Systems
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Igor Santos Grueiro
Nº of researchers: 6
Funding entity or bodies:
Eusko Jaurlaritzta - Gobierno Vasco. Programa GAITEK 2009
Start-End date: 2009 - 2010 **Duration:** 2 years
Participating entity/entities: OPTENET, S.A.
Total amount: 47,62
- 33** **Name of the project:** TRUSTED BANKING: Secure, Trust and Resilience Platform for Banking
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas
Nº of researchers: 10
Funding entity or bodies:
Ministerio de Industria. Plan Avanza 2008. Proyecto Tractor
Start-End date: 2009 - 2010 **Duration:** 1 year
Participating entity/entities: European Software Institute; Ibermática, S.A. ; TB-Solutions; Telefónica I+D
Total amount: 40
- 34** **Name of the project:** CENIT SEGUR@: Seguridad y Confianza en la Sociedad de la Información, tramo A
Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas
Nº of researchers: 8
Funding entity or bodies:
Ministerio de Industria. CDTI. Programa Cenit 2007
Start-End date: 2007 - 2010 **Duration:** 4 years



Participating entity/entities: ECIJA Solutions; Panda Security
Total amount: 550

35 Name of the project: SECADMON: Provisión de servicios electrónicos seguros en administración electrónica

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas

Nº of researchers: 10

Funding entity or bodies:

Eusko Jaurlaritzta - Gobierno Vasco. Programa Innotek 2008

Start-End date: 2008 - 2009

Duration: 2 years

Participating entity/entities: European Software Institute; INSTITUTO IBERMATICA DE INNOVACION SL; Ibermática, S.A. ; Wisekey

Total amount: 64,69

36 Name of the project: Desarrollo del laboratorio S3Lab DFB - Laboratory for Smartness, Semantics and Security, como Centro de Excelencia en I+D+i

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas (UD)

Nº of researchers: 8

Funding entity or bodies:

Diputación Foral de Bizkaia

Type of entity: Body, others

Start-End date: 2006 - 2008

Duration: 3 years

Total amount: 560

37 Name of the project: S3Lab Bizkaiko Foru Aldundia: Consolidación del Laboratory for Smartness, Semantics and Security, S3Lab, como centro de excelencia de I+D+i en Seguridad Digital

Entity where project took place: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas

Nº of researchers: 20

Funding entity or bodies:

Bizkaiko Foru Aldundia - Diputación Foral de Bizkaia

Start date: 2006

Duration: 3 years

Participating entity/entities: Universidad de Deusto (líder).

Total amount: 560.000

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: HACKOBOT: Identidades conversacionales para análisis de información de eventos de seguridad

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Carlos Laorden Gómez

Nº of researchers: 6

Participating entity/entities: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Funding entity or bodies:

Telefónica I+D

Type of entity: Business

City funding entity: Madrid, Community of Madrid, Spain

Start date: 2014

Duration: 1 year



- 2** **Name of the project:** PROGENIKA2. Clasificación de individuos afines a cáncer de pulmón
Degree of contribution: Privado
Name principal investigator (PI, Co-PI....): Dr. D. Pablo García Bringas
Nº of researchers: 8
Participating entity/entities: Progenika
Funding entity or bodies:
PROGENIKA S.A.
Start date: 2011 **Duration:** 2 years
Total amount: 34.000
- 3** **Name of the project:** PROGENIKA1. Experimentación con Información Genética para Secuenciación Humana: (1) Secuenciación Genética, (2) Reconocimiento de patrones patógenos, (3) Clasificación de individuos afines a hipercolesterolemia
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 8
Funding entity or bodies:
PROGENIKA S.A.
Start date: 2010 **Duration:** 2 years
Total amount: 120.600
- 4** **Name of the project:** SAREAK: Sare-sozialetan Erreputazio eta Arriskuak Kudatzen
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Pablo García Bringas
Nº of researchers: 6
Participating entity/entities: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Funding entity or bodies:
Gobierno Vasco. Programa Saiotek 2010
Start date: 2010 **Duration:** 2 years
Total amount: 85.322

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** MARSOL PBX: Modelos de propagación de malware a través de redes sociales on-line
Inventors/authors/obtainers: Pablo García Bringas; Jose Luis del Val Román; Borja Sanz Urquijo; Carlos Laorden Gómez; Igor Santos Grueiro; Sergio Huerta Lara
Nº of application: BI-378-15
Date of register: 10/06/2015
- 2** **Title registered industrial property:** MARSOL XSS: Modelos de propagación de malware a través de redes sociales on-line
Inventors/authors/obtainers: Pablo García Bringas; Jose Luis del Val Román; Borja Sanz Urquijo; Carlos Laorden Gómez; Igor Santos Grueiro; Sergio Huerta Lara
Nº of application: BI-377-15
Date of register: 10/06/2015



- 3 Title registered industrial property:** Semantic-aware unsolicited mail filtering with reduction of labelling efforts
Inventors/authors/obtainers: Carlos Laorden Gómez
Nº of application: BI-375-15
Date of register: 10/06/2015
- 4 Title registered industrial property:** MARSOL TZR: Modelos de propagación de malware a través de redes sociales on-line
Inventors/authors/obtainers: Pablo García Bringas; Borja Sanz Urquijo; Carlos Laorden Gómez; Igor Santos Grueiro; Sergio Huerta Lara
Nº of application: BI-578-15
Date of register: 09/03/2015

Scientific and technological activities

Scientific production

H index: 11
Date of application: 09/03/2016

Publications, scientific and technical documents

- 1** Patxi Galán García; José Gaviria De La Puerta; Carlos Laorden Gómez; Igor Santos Grueiro; Pablo García Bringas. Supervised machine learning for the detection of troll profiles in twitter social network: application to a real case of cyberbullying. Logic Journal of the IGPL. 19/01/2016. Available on-line at: <10.1093/jigpal/jzv048>. ISSN 1367-0751
- | | |
|---|---|
| Type of production: Scientific paper | Format: Journal |
| Impact source: ISI | Category: Logic |
| Impact index in year of publication: 0.461 | Journal in the top 25%: No |
| Position of publication: 12 | No. of journals in the cat.: 21 |
| Impact source: ISI | Category: Science Edition - MATHEMATICS |
| Impact index in year of publication: 0.461 | Journal in the top 25%: No |
| Position of publication: 214 | No. of journals in the cat.: 310 |
| Impact source: ISI | Category: Science Edition - MATHEMATICS, APPLIED |
| Impact index in year of publication: 0.461 | Journal in the top 25%: No |
| Position of publication: 219 | No. of journals in the cat.: 255 |
- 2** Carlos Laorden Gómez; Patxi Galán García; Igor Santos Grueiro; Borja Sanz Urquijo; Javier Nieves Acedo; Pablo García Bringas; Jose María Gómez Hidalgo. Negobot: Detecting paedophile activity with a conversational agent based on game theory. Logic Journal of the IGPL. 23 - 1, pp. 17 - 30. 2015. ISSN 1367-0751
- | | |
|---|--|
| Type of production: Scientific paper | Format: Journal |
| Impact source: ISI | Category: Logic |
| Impact index in year of publication: 0.461 | Journal in the top 25%: No |
| Position of publication: 12 | No. of journals in the cat.: 21 |
| Impact source: ISI | Category: Science Edition - MATHEMATICS |



Impact index in year of publication: 0.461
Position of publication: 214

Impact source: ISI
Impact index in year of publication: 0.461
Position of publication: 219

Journal in the top 25%: No
No. of journals in the cat.: 310

Category: Science Edition - MATHEMATICS, APPLIED
Journal in the top 25%: No
No. of journals in the cat.: 255

- 3** Carlos Laorden; Xabier Ugarte Pedrero; Igor Santos; Borja Sanz; Javier Nieves; Pablo García Bringas. Study on the Effectiveness of Anomaly Detection for Spam Filtering. *Information Sciences*. 277, pp. 421 - 444. 2014. ISSN 0020-0255

Type of production: Scientific paper
Impact source: ISI

Impact index in year of publication: 4.038
Position of publication: 6

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes
No. of journals in the cat.: 139

- 4** Xabier Ugarte Pedrero; Igor Santos; Carlos Laorden; Borja Sanz; Pablo García Bringas. Collective Classification for Packed Executable Identification. *International Journal of Computer Systems Science and Engineering*. 28 - 1, (United Kingdom): 2013. ISSN 0267-6192

Type of production: Scientific paper
Impact source: ISI

Impact index in year of publication: 0.23

Impact source: ISI

Impact index in year of publication: 0.23
Position of publication: 48

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS

Journal in the top 25%: No

Category: Science Edition - COMPUTER SCIENCE, HARDWARE & ARCHITECTURE

Journal in the top 25%: No

No. of journals in the cat.: 50

- 5** Borja Sanz; Igor Santos; Carlos Laorden; Xabier Ugarte Pedrero; Javier Nieves; Pablo García Bringas; Gonzalo Alvarez. MAMA: Manifest Analysis for Malware detection in Android. *Cybernetics and Systems*. 44 - 6-7, pp. 469 - 488. 2013. ISSN 0196-9722

Type of production: Scientific paper
Position of signature: 3

Impact source: ISI

Impact index in year of publication: 0.507
Position of publication: 18

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - COMPUTER SCIENCE, CYBERNETICS

Journal in the top 25%: No

No. of journals in the cat.: 24

- 6** Igor Santos; Carlos Laorden; Borja Sanz; Pablo García Bringas. Reversing the effects of tokenisation attacks against content-based spam filters. *International Journal of Security and Networks (IJSN)*. 8 - 2, pp. 106 - 116. 2013. ISSN 1747-8405

Type of production: Scientific paper
Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

- 7** Carlos Laorden; Borja Sanz; Igor Santos; Patxi Galán García; Pablo García Bringas. Collective Classification for Spam Filtering. *Logic Journal of the IGPL*. 21 - 4, pp. 540 - 548. (United Kingdom): 2012. ISSN 1367-0751

Type of production: Scientific paper
Position of signature: 1

Format: Journal



Impact source: ISI
Impact index in year of publication: 1.136
Position of publication: 1

Impact source: ISI
Impact index in year of publication: 1.136
Position of publication: 28

Impact source: ISI
Impact index in year of publication: 1.136
Position of publication: 64

- 8** Igor Santos; Carlos Laorden; Borja Sanz; Pablo García Bringas. Enhanced Topic-based Vector Space Model for Semantics-aware Spam Filtering. Expert Systems With Applications. 39 - 1, pp. 437 - 444. (United States of America): 2012. ISSN 0957-4174

Type of production: Scientific paper
Position of signature: 2

Impact source: ISI

Impact index in year of publication: 1.854
Position of publication: 13

Impact source: ISI

Impact index in year of publication: 1.854
Position of publication: 31

Impact source: ISI

Impact index in year of publication: 1.854
Position of publication: 56

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Logic

Journal in the top 25%: Yes

No. of journals in the cat.: 19

Category: Mathematics (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 295

Category: Science Edition - MATHEMATICS, APPLIED

Journal in the top 25%: No

No. of journals in the cat.: 247

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 79

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: No

No. of journals in the cat.: 114

Category: ENGINEERING, ELECTRICAL ELECTRONIC

Journal in the top 25%: Yes

No. of journals in the cat.: 242

- 9** Carlos Laorden; Igor Santos; Borja Sanz; Gonzalo Alvarez; Pablo García Bringas. Word Sense Disambiguation for Spam Filtering. Electronic Commerce Research and Applications. 11 - 3, pp. 290 - 298. (United States of America): 2012. ISSN 1567-4223

Type of production: Scientific paper
Position of signature: 1

Impact source: ISI

Impact index in year of publication: 1.480
Position of publication: 37

Impact source: ISI

Impact index in year of publication: 1.480
Position of publication: 43

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS

Journal in the top 25%: No

No. of journals in the cat.: 132

Category: Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Journal in the top 25%: No

No. of journals in the cat.: 99



- 10** Igor Santos; Felix Brezo; Borja Sanz; Carlos Laorden; Pablo García Bringas. Using Opcode Sequences in Single-Class Learning to Detect Unknown Malware. IET Information Security. 5 - 4, pp. 220 - 227. 2011.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.14
Position of publication: 133
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: No
No. of journals in the cat.: 135
- 11** Igor Santos; Carlos Laorden; Xabier Ugarte Pedrero; Borja Sanz; Pablo García Bringas. Spam filtering through anomaly detection. E-Business and Telecommunications. 314, pp. 203 - 216. Springer Berlin Heidelberg, 2012. ISBN 978-3-642-35754-1
Type of production: Book chapter
Position of signature: 2
Format: Book
Degree of contribution: Author or co-author of chapter in book
- 12** Borja Sanz; Javier Nieves; Carlos Laorden; Igor Santos; Pablo G Bringas. Buscadores on-line: de la recuperación de la información a la generación del conocimiento. Revista Dyna. 88 - 4, pp. 726 - 728. Publicaciones Dyna, 2013. ISSN 0012-7361
Type of production: Scientific-technical report
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 0.200
Position of publication: 82
Format: Journal
Category: Science Edition - ENGINEERING, MULTIDISCIPLINARY
Journal in the top 25%: No
No. of journals in the cat.: 87
- 13** Javier Nieves; Borja Sanz; Carlos Laorden; Igor Santos; Pablo García Bringas; Asier Perallos. Hacia una sociedad inteligente basada en la Internet de la Cosas. Revista Dyna. 86 - 4, pp. 386 - 388. (Spain): 2012. ISSN 0012-7361
Type of production: Scientific-technical report
Position of signature: 3
Impact source: ISI
Impact index in year of publication: 0.237
Position of publication: 81
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ENGINEERING, MULTIDISCIPLINARY
Journal in the top 25%: No
No. of journals in the cat.: 90
- 14** Carlos Laorden; Borja Sanz; Patxi Galán García. Experiencia MUSI. ESIDE. 13, pp. 81 - 83. 2012.
Format: Journal
- 15** Carlos Laorden; Patxi Galán García; Igor Santos; Pablo García Bringas; Borja Sanz; Jose María Gomez Hidalgo. Negobot: Agente conversacional basado en teoría de juegos para la detección de conductas pedófilas. ESIDE. 13, pp. 64 - 67. 2012.
Format: Journal
- 16** Borja Sanz; Carlos Laorden; Patxi Galán García. Rootear o no rootear. He ahí el dilema. ESIDE. 13, pp. 43 - 45. 2012.
Format: Journal
- 17** Patxi Galán García; Carlos Laorden; Pablo García Bringas. Máster Universitario en Seguridad de la Información: protegiendo la información personal del futuro. ESIDE. 12, pp. 59 - 61. 2011.
Format: Journal



- 18** Gonzalo Alvarez; Borja Sanz; Carlos Laorden. Smartphones: puerta de entrada a las redes sociales online. PC World. 282, pp. 66 - 71. IDG COMMUNICATIONS, S. A. U., 2011.
Format: Journal
- 19** Borja Sanz; Carlos Laorden; Pablo García Bringas. ¿Está seguro mi smartphone?. ESIDE. 12, pp. 53 - 55. 2011.
Format: Journal
- 20** Borja Sanz; Carlos Laorden; Pablo García Bringas. El arte de ocultar un programa malicioso en las entrañas de tu ordenador. ESIDE. 10, pp. 56 - 57. 2009.
Format: Journal

Works submitted to national or international conferences

- 1** **Title of the work:** A Comprehensive Interaction Model for Augmented Reality Systems
Name of the conference: 14th IEEE International Symposium on Mixed and Augmented Reality (ISMAR)
Type of event: Conference **Geographical area:** Non EU International
City of event: Fukuoka, Japan
Date of event: 29/09/2015
End date: 03/10/2015
Mikel Salazar; Carlos Laorden Gómez; Pablo García Bringas. "A Comprehensive Interaction Model for Augmented Reality Systems".
- 2** **Title of the work:** OpenUIX Demo: A sneak peek at a novel HCI model for AR systems
Name of the conference: 3rd ACM Symposium on Spatial User Interaction (SUI)
Type of event: Conference **Geographical area:** Non EU International
Reasons for participation: Review before acceptance
City of event: Los Ángeles, United States of America
Date of event: 08/08/2015
End date: 09/08/2015
Mikel Salazar; Carlos Laorden Gómez; Pablo García Bringas. "OpenUIX Demo: A sneak peek at a novel HCI model for AR systems". pp. 140 - 140.
- 3** **Title of the work:** A survey on static analysis and model checking
Name of the conference: International Joint Conference SOCO'14-CISIS'14-ICEUTE'14
Type of event: Conference **Geographical area:** Non EU International
City of event: Bilbao, Basque Country, Spain
Date of event: 25/06/2014
End date: 27/06/2014
Type of contribution: Scientific paper
Iván García Ferreira; Carlos Laorden Gómez; Igor Santos Grueiro; Pablo García Bringas. "A survey on static analysis and model checking". En: Advances in Intelligent Systems and Computing. 299, pp. 443 - 452. Springer,
- 4** **Title of the work:** An Empirical Study on Word Sense Disambiguation for Adult Content Filtering
Name of the conference: International Joint Conference SOCO'14-CISIS'14-ICEUTE'14
Type of event: Conference **Geographical area:** Non EU International
City of event: Bilbao, Basque Country, Spain
Date of event: 25/06/2014
End date: 27/06/2014



Type of contribution: Scientific paper

Igor Santos Grueiro; Patxi Galán García; Carlos Laorden Gómez; Javier Nieves Acedo; Borja Sanz Urquijo; Pablo García Bringas; Jose María Gómez Hidalgo. "An Empirical Study on Word Sense Disambiguation for Adult Content Filtering". En: Advances in Intelligent Systems and Computing. 299, pp. 537 - 544. Springer,

- 5** **Title of the work:** Anomaly Detection using String Analysis for Android Malware Detection
Name of the conference: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Salamanca, Castile and León, Spain
Date of event: 11/09/2013
End date: 13/09/2013
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Borja Sanz; Igor Santos; Xabier Ugarte; Carlos Laorden; Javier Nieves; Pablo G Bringas. pp. 469 - 478.
- 6** **Title of the work:** Supervised Machine Learning for the Detection of Troll Profiles in Twitter Social Network: Application to a Real Case of Cyberbullying
Name of the conference: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Salamanca, Castile and León, Spain
Date of event: 11/09/2013
End date: 13/09/2013
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Patxi Galán García; José Gaviria; Carlos Laorden; Igor Santos; Pablo G Bringas. pp. 419 - 428. 11/09/2013.
- 7** **Title of the work:** Twitter Content-based Spam Filtering
Name of the conference: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Salamanca, Castile and León, Spain
Date of event: 11/09/2013
End date: 13/09/2013
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Igor Santos; Igor Miñambres; Carlos Laorden; Patxi Galán García; Aitor Santamaría; Pablo G Bringas. pp. 449 - 458.
- 8** **Title of the work:** MADS: Malicious Android Applications Detection through String Analysis
Name of the conference: International Conference on Network and System Security (NSS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Community of Madrid, Spain
Date of event: 03/06/2013
End date: 04/06/2013
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Borja Sanz; Igor Santos; Javier Nieves; Carlos Laorden; Iñigo Alonso; Pablo G Bringas. pp. 178 - 191.



- 9** **Title of the work:** Enhancing cybersecurity learning through an augmented reality-based serious game
Name of the conference: IEEE Global Engineering Education Conference (EDUCON)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Berlin, Germany
Date of event: 13/03/2013
End date: 15/03/2013
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Mikel Salazar; Jose Gaviria; Carlos Laorden; Pablo García Bringas. "Enhancing cybersecurity learning through an augmented reality-based serious game". pp. 602 - 607.
- 10** **Title of the work:** JURD: Joiner of Un-Readable Documents to Reverse Tokenization Attacks to Content-based Spam Filters
Name of the conference: 9th IEEE Consumer Communications and Networking Conference (CCNC)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Las Vegas, United States of America
Date of event: 11/01/2013
End date: 14/01/2013
Igor Santos; Carlos Laorden; Borja Sanz; Pablo García Bringas. "JURD: Joiner of Un-Readable Documents to Reverse Tokenization Attacks to Content-based Spam Filters". pp. 253 - 258.
- 11** **Title of the work:** A Human-Computer Interaction Paradigm for Augmented Reality Systems
Name of the conference: 11th International Symposium on Mixed and Augmented Reality (ISMAR)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Atlanta, United States of America
Date of event: 05/11/2012
End date: 08/11/2012
Mikel Salazar; Carlos Laorden; Pablo García Bringas. "A Human-Computer Interaction Paradigm for Augmented Reality Systems".
- 12** **Title of the work:** Towards a more Efficient and Personalized Advertisement Content in Online Social Networks
Name of the conference: 5th Workshop for Ph.D. Students (PIKM 2012) at the ACM Conference on Information and Knowledge Management (CIKM 2012)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: Maui, Hawaii, United States of America
Date of event: 29/10/2012
End date: 02/11/2012
Patxi Galán García; Carlos Laorden; Pablo García Bringas. pp. 95 - 98.
- 13** **Title of the work:** Negobot: A conversational agent based on game theory for the detection of paedophile behaviour
Name of the conference: 5th International Conference on Computational Intelligence in Security for Information Systems (CISIS)



Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Ostrava, Czech Republic
Date of event: 05/09/2012
End date: 07/09/2012

Geographical area: Non EU International
Reasons for participation: Review before acceptance

Carlos Laorden; Patxi Galán García; Igor Santos; Borja Sanz; Jose María Gómez Hidalgo; Pablo García Bringas. "Negobot: A conversational agent based on game theory for the detection of paedophile behaviour". pp. 261 - 270.

14 Title of the work: PUMA: Permission Usage to detect Malware in Android

Name of the conference: 5th International Conference on Computational Intelligence in Security for Information Systems (CISIS)

Type of event: Conference
Type of participation: Participatory - oral communication

Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: Ostrava, Czech Republic
Date of event: 05/09/2012
End date: 07/09/2012

Borja Sanz; Igor Santos; Carlos Laorden; Xabier Ugarte Pedrero; Pablo García Bringas; Gonzalo Alvarez. "PUMA: Permission Usage to detect Malware in Android". pp. 289 - 298.

15 Title of the work: Eludiendo la concesión de permisos de administrador en Android mediante una vulnerabilidad en SuperUser

Name of the conference: XII Reunión Española sobre Criptología y Seguridad de la Información (RECSI)

Type of event: Conference
Type of participation: Participatory - oral communication

Geographical area: National
Reasons for participation: Review before acceptance

City of event: Donostia-San Sebastián, Basque Country, Spain
Date of event: 04/09/2012
End date: 07/09/2012

Type of contribution: Scientific paper

Patxi Galán García; Borja Sanz Urquijo; Carlos Laorden Gómez; Pablo García Bringas. "Eludiendo la concesión de permisos de administrador en Android mediante una vulnerabilidad en SuperUser". pp. 369 - 373.

16 Title of the work: Collective Classification for the Prediction of Microshrinkages in Foundry Production

Name of the conference: 9th International Symposium on Soft-Computing for Industry (ISSCI), World Automation Congress (WAC)

Type of event: Conference
Type of participation: Participatory - oral communication

Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: Puerto Vallarta, Mexico
Date of event: 24/06/2012
End date: 26/06/2012

Igor Santos; Javier Nieves; Carlos Laorden; Borja Sanz; Pablo García Bringas. "Collective Classification for the Prediction of Microshrinkages in Foundry Production". pp. 1 - 6.

17 Title of the work: Countering Entropy Measure Attacks on Packed Software Detection

Name of the conference: 9th IEEE Consumer Communications and Networking Conference (CCNC)

Type of event: Conference

Geographical area: Non EU International



Type of participation: Participatory - oral communication

City of event: Las Vegas, United States of America

Date of event: 14/01/2012

End date: 17/01/2012

Xabier Ugarte Pedrero; Igor Santos; Borja Sanz; Carlos Laorden; Pablo García Bringas. "Countering Entropy Measure Attacks on Packed Software Detection". pp. 175 - 179.

Reasons for participation: Review before acceptance

18 Title of the work: On the Automatic Categorisation of Android Applications

Name of the conference: 9th IEEE Consumer Communications and Networking Conference (CCNC)

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Las Vegas, Spain

Date of event: 14/01/2012

End date: 17/01/2012

Borja Sanz; Igor Santos; Carlos Laorden; Xabier Ugarte Pedrero; Pablo García Bringas. "On the Automatic Categorisation of Android Applications". pp. 160 - 164.

Geographical area: Non EU International

Reasons for participation: Review before acceptance

19 Title of the work: On the Study of Anomaly-based Spam Filtering Using Spam as Representation of Normality

Name of the conference: 3rd Consumer Communications and Network Conference (CCNC) Research Student Workshop

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Las Vegas, United States of America

Date of event: 14/01/2012

End date: 17/01/2012

Carlos Laorden; Xabier Ugarte Pedrero; Igor Santos; Borja Sanz; Javier Nieves; Pablo García Bringas. "On the Study of Anomaly-based Spam Filtering Using Spam as Representation of Normality". pp. 713 - 715.

Geographical area: Non EU International

Reasons for participation: Review before acceptance

20 Title of the work: Collective Classification for Packed Executable Identification

Name of the conference: 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS)

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Perth, Australia

Date of event: 01/09/2011

End date: 02/09/2011

Igor Santos; Xabier Ugarte Pedrero; Borja Sanz; Carlos Laorden; Pablo García Bringas. "Collective Classification for Packed Executable Identification". pp. 23 - 30.

Geographical area: Non EU International

Reasons for participation: Review before acceptance

21 Title of the work: Enhancing Scalability in Anomaly-based Email Spam Filtering

Name of the conference: 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS)

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Perth, Australia

Date of event: 01/09/2011

Geographical area: Non EU International

Reasons for participation: Review before acceptance



End date: 02/09/2011

Carlos Laorden; Xabier Ugarte Pedrero; Igor Santos; Borja Sanz; Pablo García Bringas. "Enhancing Scalability in Anomaly-based Email Spam Filtering". pp. 13 - 22.

22 Title of the work: Anomaly-based Spam Filtering

Name of the conference: 6th International Conference on Security and Cryptography (SECRYPT)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Sevilla, Spain

Date of event: 18/07/2011

End date: 21/07/2011

Igor Santos; Carlos Laorden; Xabier Ugarte Pedrero; Borja Sanz; Pablo García Bringas. "Anomaly-based Spam Filtering". pp. 5 - 14.

23 Title of the work: Collective Classification for Unknown Malware Detection

Name of the conference: 6th International Conference on Security and Cryptography (SECRYPT)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Sevilla, Spain

Date of event: 18/07/2011

End date: 21/07/2011

Igor Santos; Carlos Laorden; Pablo García Bringas. "Collective Classification for Unknown Malware Detection". pp. 251 - 256.

24 Title of the work: Collective Classification for Spam Filtering

Name of the conference: 4th International Conference on Computational Intelligence in Security for Information Systems (CISIS)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Torremolinos, Spain

Date of event: 08/06/2011

End date: 10/06/2011

Carlos Laorden; Borja Sanz; Igor Santos; Patxi Galán García; Pablo García Bringas. "Collective Classification for Spam Filtering". 6694, pp. 1 - 8.

25 Title of the work: Opcode-sequence-based Semi-supervised Unknown Malware Detection

Name of the conference: 4th International Conference on Computational Intelligence in Security for Information Systems (CISIS)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Torremolinos, Spain

Date of event: 08/06/2011

End date: 10/06/2011

Igor Santos; Borja Sanz; Carlos Laorden; Felix Brezo; Pablo García Bringas. "Opcode-sequence-based Semi-supervised Unknown Malware Detection". 6694, pp. 50 - 57.



- 26** **Title of the work:** A Threat Model Approach to Threats and Vulnerabilities in On-line Social Networks
Name of the conference: 3rd International Conference on Computational Intelligence in Security for Information Systems (CISIS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: León, Spain
Date of event: 11/11/2010
End date: 12/11/2010
Publication in conference proceedings: Yes
Geographical area: Non EU International
Reasons for participation: Review before acceptance
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Carlos Laorden; Borja Sanz; Gonzalo Alvarez; Pablo García Bringas. En: Advances in Intelligent and Soft Computing. 85, pp. 135 - 142. Springer-Verlag Berlin Heidelberg, 2010. ISBN 978-3-642-16625-9
- 27** **Title of the work:** A Threat Model Approach to Attacks and Countermeasures in On-line Social Networks
Name of the conference: XXI Reunion Española de Criptografía y Seguridad de la Información (RECSI)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Tarragona, Catalonia, Spain
Date of event: 07/09/2010
End date: 10/09/2010
Type of contribution: Scientific paper
Borja Sanz; Carlos Laorden; Gonzalo Alvarez; Pablo García Bringas. "A Threat Model Approach to Attacks and Countermeasures in On-line Social Networks". pp. 343 - 348.
- 28** **Title of the work:** Opcode-sequence-based Malware Detection
Name of the conference: 2nd International Symposium on Engineering Secure Software and Systems (ESSoS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Pisa, Italy
Date of event: 03/02/2010
End date: 04/02/2010
Type of contribution: Scientific paper
Igor Santos; Felix Brezo; Javier Nieves; Yoseba K Peña; Borja Sanz; Carlos Laorden; Pablo García Bringas. "Opcode-sequence-based Malware Detection". 5965, pp. 35 - 43.

Other dissemination activities

- 1** **Title of the work:** Learning to present
Type of event: Conferences given
City of event: Donosti, Spain
Date of event: 17/03/2015
Organising entity: Universidad de Deusto
Type of entity: University
Carlos Laorden; Borja Sanz.

- 2** **Title of the work:** Learning to present
Type of event: Conferences given
City of event: Bilbao, Spain
Date of event: 13/06/2012
Organising entity: Máster Universitario en Seguridad de la Información
Carlos Laorden; Borja Sanz.
- 3** **Title of the work:** Semantic-aware unsolicited mail filtering with reduction of labelling efforts
Type of event: Conferences given
City of event: Bilbao, Spain
Date of event: 02/04/2012
Organising entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA
Carlos Laorden. "Semantic-aware unsolicited mail filtering with reduction of labelling efforts".
- 4** **Title of the work:** Semantic-aware unsolicited mail filtering with reduction of labelling efforts
Type of event: Conferences given
City of event: Dalmine, Italy
Date of event: 10/11/2011
Organising entity: Università degli Studi di Bergamo **Type of entity:** University
Carlos Laorden. "Semantic-aware unsolicited mail filtering with reduction of labelling efforts".

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Technical Program Committee Member of HAIS 2016
Affiliation entity: International Conference on Hybrid Artificial Intelligence Systems
Start-End date: 18/04/2016 - 20/04/2016
- 2** **Committee title:** Technical Program Committee Member of HAIS 2015
Affiliation entity: International Conference on Hybrid Artificial Intelligence Systems
Start-End date: 22/06/2015 - 24/06/2015
- 3** **Committee title:** Technical Program Committee Member of CISIS 2015
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems
Start-End date: 15/07/2015 - 17/06/2015
- 4** **Committee title:** Technical Program Committee Member of SOCO 2015
Affiliation entity: International Conference on Soft Computing Models in Industrial and Environmental Applications
Start-End date: 15/06/2015 - 17/06/2015
- 5** **Committee title:** Session Chair for Session S2: Infrastructure and Network Security 1 of CISIS 2014
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
City affiliation entity: Bilbao, Basque Country, Spain
Start-End date: 25/06/2014 - 27/06/2014



- 6** **Committee title:** Technical Program Committee Member of CISIS 2014
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems
City affiliation entity: Bilbao,
Start-End date: 25/06/2014 - 27/06/2014
- 7** **Committee title:** Technical Program Committee Member of SOCO 2014
Affiliation entity: International Conference on Soft Computing Models in Industrial and Environmental Applications
Start-End date: 25/06/2014 - 27/06/2014
- 8** **Committee title:** Technical Program Committee Member of HAIS 2014
Affiliation entity: International Conference on Hybrid Artificial Intelligence Systems
City affiliation entity: Salamanca,
Start-End date: 11/06/2014 - 13/06/2014
- 9** **Committee title:** Technical Program Committee Member of IAS 2013
Affiliation entity: International Symposium on Information Assurance and Security (IAS)
City affiliation entity: Tunis, Tunisia
Start-End date: 04/12/2013 - 06/12/2013
- 10** **Committee title:** Technical Program Committee Member of CISIS 2013
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems
City affiliation entity: Salamanca, Spain
Start-End date: 11/09/2013 - 13/09/2013
- 11** **Committee title:** Technical Program Committee Member of HAIS 2013
Affiliation entity: International Conference on Hybrid Artificial Intelligence Systems
City affiliation entity: Salamanca, Spain
Start-End date: 11/09/2013 - 13/09/2013
- 12** **Committee title:** Technical Program Committee Member of SOCO 2013
Affiliation entity: International Conference on Soft Computing Models in Industrial and Environmental Applications
City affiliation entity: Salamanca, Spain
Start-End date: 11/09/2013 - 13/09/2013
- 13** **Committee title:** Technical Program Committee Member of IAS 2012
Affiliation entity: International Symposium on Information Assurance and Security (IAS)
City affiliation entity: São Carlos, Brazil
Start-End date: 21/11/2012 - 23/11/2012
- 14** **Committee title:** Organising Chair for Session SS02 – Text Processing Applications to Secure and Intelligent Systems of CISIS 2012
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
City affiliation entity: Ostrava, Czech Republic
Start-End date: 05/09/2012 - 07/09/2012



- 15** **Committee title:** Session Chair for Session B3.2 – Infrastructure and Network Security 2 of CISIS 2012
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
City affiliation entity: Ostrava, Czech Republic
Start-End date: 05/09/2012 - 07/09/2012
- 16** **Committee title:** Session Chair for Session B3.4 – Infrastructure and Network Security 1 of CISIS 2012
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems (CISIS)
City affiliation entity: Ostrava, Czech Republic
Start-End date: 05/09/2012 - 07/09/2012
- 17** **Committee title:** Technical Program Committee Member of CISIS 2012
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems
City affiliation entity: Ostrava, Czech Republic
Start-End date: 05/09/2012 - 07/09/2012
- 18** **Committee title:** Technical Program Committee Member of SOCO 2012
Affiliation entity: International Conference on Soft Computing Models in Industrial and Environmental Applications
City affiliation entity: Ostrava, Czech Republic
Start-End date: 05/09/2012 - 07/09/2012
- 19** **Committee title:** Technical Program Committee Member of CUBE 2012
Affiliation entity: CUBE International IT Conference & Exhibition
City affiliation entity: Pune, India
Start-End date: 03/09/2012 - 05/09/2012
- 20** **Committee title:** Technical Program Committee Member of HAIS 2012
Affiliation entity: International Conference on Hybrid Artificial Intelligence Systems (HAIS)
City affiliation entity: Salamanca, Spain
Start-End date: 28/03/2012 - 30/03/2012
- 21** **Committee title:** Technical Program Committee Member of IAS 2011
Affiliation entity: International Symposium on Information Assurance and Security (IAS)
Start-End date: 17/07/2011 - 20/07/2011
- 22** **Committee title:** Technical Program Committee Member of CISIS 2011
Affiliation entity: International Conference on Computational Intelligence in Security for Information Systems
Start-End date: 08/06/2011 - 10/06/2011
- 23** **Committee title:** Technical Program Committee Member of SOCO 2011
Affiliation entity: International Conference on Soft Computing Models in Industrial and Environmental Applications
City affiliation entity: Salamanca, Spain
Start-End date: 06/04/2011 - 08/04/2011



Organization of R&D activities

- 1 **Title of the activity:** Text Processing Applications to Secure and Intelligent Systems
Type of activity: Sesión Especial **Geographical area:** Non EU International
Convening entity: International Conference on Computational Intelligence in Security for Information Systems (CISIS) 2012
City convening entity: Ostrava, Czech Republic
Start-End date: 05/09/2012 - 07/09/2012 **Duration:** 3 days
- 2 **Title of the activity:** 21st International Conference on Database and Expert System Applications - DEXA, 2010
Type of activity: Congreso **Geographical area:** Non EU International
Convening entity: International Conference on Database and Expert System Applications - DEXA
City convening entity: Bilbao, Spain
Start-End date: 30/08/2010 - 03/09/2010

Evaluation and revision of R&D projects and articles

- 1 **Name of the activity:** Reviewer of the journal Electronic Commerce Research and Applications
Performed tasks: Revisor
Entity where activity was carried out: Electronic Commerce Research and Applications
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start-End date: 2015 - 2015
- 2 **Name of the activity:** Reviewer of the journal Expert Systems With Applications (I)
Performed tasks: Revisor
Entity where activity was carried out: Expert Systems With Applications
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start-End date: 2015 - 2015
- 3 **Name of the activity:** Reviewer of the journal Expert Systems With Applications (II)
Performed tasks: Revisor
Entity where activity was carried out: Expert Systems With Applications
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start-End date: 2015 - 2015
- 4 **Name of the activity:** Reviewer of the journal Soft Computing
Performed tasks: Revisor
Entity where activity was carried out: Soft Computing
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1
Start-End date: 2015 - 2015
- 5 **Name of the activity:** Reviewer of the journal Electronic Commerce Research and Applications
Performed tasks: Revisor
Entity where activity was carried out: Electronic Commerce Research and Applications



Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2014 - 2014

6 Name of the activity: Reviewer of the journal Expert Systems With Applications

Performed tasks: Revisor

Entity where activity was carried out: Expert Systems With Applications

Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2014 - 2014

7 Name of the activity: Reviewer for CEAS'11 Special Issue published in the International Journal of Computer Systems Science and Engineering

Performed tasks: Revisor

Entity where activity was carried out: International Journal of Computer Systems Science and Engineering

Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2012 - 2012

8 Name of the activity: Reviewer for Security and Communication Networks

Performed tasks: Revisor

Entity where activity was carried out: Security and Communication Networks

Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2012 - 2012

9 Name of the activity: Reviewer of The Journal of Supercomputing

Performed tasks: Revisor

Entity where activity was carried out: The Journal of Supercomputing

Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2012 - 2012

10 Name of the activity: Reviewer of the journal Information Sciences

Performed tasks: Revisor

Entity where activity was carried out: Information Sciences

Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2012 - 2012

11 Name of the activity: Expert reviewer on Pattern Recognition Letters

Performed tasks: Revisor

Entity where activity was carried out: Pattern Recognition Letters Journal

Type of activity: Review of articles in scientific or technological journals

Frequency of the activity: 1

Start-End date: 2011 - 2011

12 Name of the activity: Reviewer for CISIS'11 Special Issue published in the Logic Journal of the IGPL

Performed tasks: Revisor

Entity where activity was carried out: Logic Journal of the IGPL

Frequency of the activity: 1



Type of activity: Review of articles in scientific or technological journals

Start-End date: 2011 - 2011

- 13 Name of the activity:** Reviewer for Social Networks: Computational Aspects and Mining published in the series of Computer and Communication Networks, Springer Verlag, London

Performed tasks: Revisor

Entity where activity was carried out: Computer and Communication Networks

Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1

Start-End date: 2011 - 2011

- 14 Name of the activity:** PRIS Editorial Board

Performed tasks: Comité editorial

Entity where activity was carried out: Journal of Pattern Recognition and Intelligent Systems (PRIS)

Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 1

Start date: 07/03/2013

- 15 Name of the activity:** Participación en el proceso de Revisión entre Pares de la publicación DYNA desde 2011

Performed tasks: Revisor

Entity where activity was carried out: Revista de Ingeniería DYNA

Start date: 2011

Other achievements

Stays in public or private R&D centres

Entity: Università degli studi di Bergamo

City of entity: Bergamo, Italy

Start-End date: 21/09/2011 - 23/12/2011

Duration: 3 months - 2 days

Goals of the stay: Doctorate

Provable tasks: Compartir y descubrir metodologías de investigación con las que nutrir el desarrollo de la tesis doctoral. Buscar la alianza con un grupo potente.

Obtained grants and scholarships

- 1 Name of the grant:** EPIF Scholarship (PhD Scholarship)

Aims: Pre-doctoral

Awarding entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Conferral date: 01/10/2008

Duration: 4 years

End date: 30/09/2012

- 2 Name of the grant:** Bearing the cost of a pre-doctoral stay

Aims: Pre-doctoral

Awarding entity: FUNDACIÓN DEUSTO-DEUSTU FUNDAZIOA

Conferral date: 21/09/2011

Duration: 3 months - 2 days

End date: 23/12/2011

Co-operation networks

- 1** **Name of the network:** Network and Information Security (NIS) Platform
Start date: 07/04/2015
- 2** **Name of the network:** Machine Intelligence Research Labs
Identification of the network: MIR Labs
Start date: 19/03/2012
- 3** **Name of the network:** IEEE Communications Society
Identification of the network: IEEE
Start date: 14/01/2012 **Duration:** 1 year

Prizes, mentions and distinctions

- 1** **Description:** Finalista Born to be Discovery Awards
Awarding entity: Discovery Networks International **Type of entity:** Business
City awarding entity: Madrid, Community of Madrid, Spain
Conferral date: 19/02/2015
- 2** **Description:** Entrevista en el periódico El Correo
Awarding entity: Diario El Correo, S.A.
Conferral date: 22/11/2014
- 3** **Description:** Trofeo A LA INVESTIGACIÓN EN SEGURIDAD TIC (VIII Edición del Certamen Internacional TROFEOS DE LA SEGURIDAD TIC)
Awarding entity: Revista RED SEGURIDAD
City awarding entity: Madrid, Community of Madrid, Spain
Conferral date: 17/02/2014
- 4** **Description:** Entrevista en la revista Interviú sobre iniciativa de detección de pederastas Negobot (pp. 48-51)
Awarding entity: Revista Interviú
City awarding entity: Spain
Conferral date: 03/02/2014
- 5** **Description:** The Most Innovative Project Proposal
Awarding entity: Korea Eureka Day
City awarding entity: Estambul, Turkey
Conferral date: 28/05/2013
Recognition linked: In recognition of developing the most innovative and commercially viable EUREKA project proposal and demonstrating a sincere desire to engage in transnational innovation
- 6** **Description:** Ignacio Ellacuría awards finalist to the best doctoral thesis of 2011/2012
Awarding entity: Universidad de Deusto **Type of entity:** University
Conferral date: 27/05/2013



Obtained accreditations/recognitions

- 1** **Description:** Profesorado Adjunto (acg-2867-2016)
Accrediting entity: Agencia de Calidad del Sistema Universitario Vasco
City accrediting entity: Basque Country, Spain
Date of recognition: 03/05/2016
- 2** **Description:** Profesor Ayudante Doctor (PAD: 2013-3992)
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Type of entity: Comité de enseñanzas técnicas del Programa de Evaluación del Profesorado
City accrediting entity: Madrid, Community of Madrid, Spain
Date of recognition: 23/07/2013
- 3** **Description:** Profesor Contratado Doctor (PCD: 2013-3991)
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Type of entity: Comité de enseñanzas técnicas del Programa de Evaluación del Profesorado
City accrediting entity: Madrid, Community of Madrid, Spain
Date of recognition: 23/07/2013
- 4** **Description:** Profesor de Universidad Privada (PUP: 2013-3993)
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Type of entity: Comité de enseñanzas técnicas del Programa de Evaluación del Profesorado
City accrediting entity: Madrid, Community of Madrid, Spain
Date of recognition: 23/07/2013