



Nerea Toledo Gandarias

Generated from: Editor CVN de FECYT

Date of document: 18/01/2024

v 1.4.3

82e59f1eb0b6a945917222995a4b56ca

This electronic file (PDF) has embedded CVN technology (CVN-XML). The CVN technology of this file allows you to export and import curricular data from and to any compatible data base. List of adapted databases available at: <http://cvn.fecyt.es/>



Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Dr. Nerea Toledo Gandarias, is a Telecommunications Engineer (2007) and International PhD.(2012). Her doctoral thesis received the Extraordinary Doctorate Award. Since 2008 she works as a professor and researcher at the UPV/EHU, initially in the Dept. of Electronics and Telecommunications and later in the Dept. of Graphic Expression and Engineering Projects. From 2016 Nerea she is the Academic Secretary of said department. In 2019 she obtained FULL PROFESSOR accreditation and has two six-year research periods.

Nerea develops her research activity in the research group I2T (<http://i2t.ehu.es/>). She has supervised 3 doctoral thesis and numerous Master and Degree Final Projects. She is currently directing 4 PhDs. She has participated in European, national and regional research projects, being also the principal researcher of several ones. She currently has 31 publications indexed in ISI WOS, 41 in SCOPUS and h=9 (13/06/2023).

Nerea's main lines of research are cybersecurity and Artificial Intelligence applied to new emerging communication systems and project management. B.1. Breve descripción del Trabajo de Fin de Grado (TFG) y puntuación obtenida B.2. Breve descripción del Trabajo de Fin de Máster (TFM) y puntuación obtenida



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.

- Nº of six-year research periods: 2 (2013, 2019)
- Nº of supervised PhDs: 3

According to Scopus:

- Citation: 463
- Total number of publications: 46
- h-index: 9

**Nerea Toledo Gandarias**

Surname(s): **Toledo Gandarias**
 Name: **Nerea**
 DNI: **78914093N**
 ORCID: **0000-0002-9394-1269**
 ResearcherID: **F-9741-2016**
 Date of birth: **03/12/1983**
 Gender: **Female**
 Land line phone: **94 601 8201**
 Email: **nerea.toledo@ehu.eus**
 Mobile phone: **626962569**

Current professional situation

Employing entity: Universidad del País Vasco **Type of entity:** University
Professional category: Profesora Contratada Doctora
Start date: 28/01/2019
Type of contract: Permanent employment contract

Employing entity: Universidad del País Vasco **Type of entity:** University
Department: Expresión Gráfica y Proyectos de Ingeniería, Escuela Técnica Superior de Ingeniería de Bilbao
Professional category: Profesora Ayudante Doctora
Start date: 21/12/2011
Type of contract: Temporary employment contract **Dedication regime:** Full time

Employing entity: Universidad del País Vasco **Type of entity:** University
Professional category: Profesora Ayudante
Start date: 11/09/2011
Dedication regime: Full time

Employing entity: Universidad del País Vasco **Type of entity:** University
Professional category: Profesor Laboral Interino
Start date: 24/11/2008
Type of contract: Temporary **Dedication regime:** Part time

Employing entity: Universidad del País Vasco/Euskal Herriko Unibertsitatea
Professional category: Personal Investigador en Formación
Start date: 01/01/2008
Type of contract: Grant-assisted student (pre or post-doctoral, others) **Dedication regime:** Full time

Previous positions and activities



	Employing entity	Professional category	Start date
	Universidad del País Vasco	Secretaria de Departamento	11/11/2016

Employing entity: Universidad del País Vasco **Type of entity:** University

Professional category: Secretaria de Departamento

Start date: 11/11/2016



Education

University education

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

University degree: Higher degree

Name of qualification: Ingeniería de Telecomunicación

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

Date of qualification: 2007

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Tecnologías de la Información y Comunicaciones en Redes Móviles

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

Date of degree: 2012

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A2	A2	A2	A2	A2
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2
Basque	C2	C2	C2	C2	C2

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- Project title:** Desarrollo ágil de productos mediante gráfico de conocimiento
Entity: Universidad del País Vasco **Type of entity:** University
Date of reading: 18/09/2020
- Project title:** Diseño e implementación de una aplicación Web integrada con el sistema de gestión de clientes (CRM) para la oferta de servicios a antiguo alumnado de la Universidad de Deusto
Entity: Universidad del País Vasco **Type of entity:** University
Date of reading: 27/06/2019
- Project title:** Montaje de testbed con Software Defined Radio para redes ferroviarias en el contexto de análisis de seguridad
Type of project: Trabajo Fin de Grado



Entity: Universidad del País Vasco
Date of reading: 05/09/2018

Type of entity: University

- 4** **Project title:** Tren-komunikazio fidagarri eta eraginkorrak bermatzen dituen eta SDN teknologian oinarrituta dagoen ONOS aplikazio baten diseinu eta inplementazioa

Type of project: Trabajo Fin de Grado

Entity: Universidad del País Vasco

Date of reading: 19/07/2018

- 5** **Project title:** Analysis of project management processes in Nortegas

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 06/07/2018

Type of entity: University

- 6** **Project title:** Gestión de los Recursos Humano sen entornos tencológicos y globalizados

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 06/07/2018

Type of entity: University

- 7** **Project title:** Treenbideetako zibersegurtasuna ebaluatzeko ISA/IEC 62443an oinarritutako

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 18/06/2018

Type of entity: University

- 8** **Project title:** ERTMS sistemarentzako komunikazio-arkitektura fidagarri baten proposamena

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 11/10/2017

Type of entity: University

- 9** **Project title:** Procedimiento para seguir el Project Management para la realización de un proyecto de construcción

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 18/09/2017

Type of entity: University

- 10** **Project title:** Project Management Assessment at Sarralle Group

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 14/09/2017

Type of entity: University

- 11** **Project title:** Estudio y simulación de comunicación y movilidad en redes definidas por software (SDN) basadas en el protocolo OpenFlow sobre la herramienta de simulación OMNET++

Type of project: Trabajo Fin de Grado

Entity: Universidad del País Vasco

Date of reading: 05/09/2017

Type of entity: University

- 12** **Project title:** Ampliación del modelo EFQM y criterios de sostenibilidad para la mejora de la competitividad en una empresa TIC

Type of project: Trabajo Fin de Máster

Entity: Universidad del País Vasco

Date of reading: 06/07/2017

Type of entity: University



- 13** **Project title:** Metodología para la evaluación de riesgos en el ámbito de los planes de inspección de traslados de residuos
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
Date of reading: 06/07/2017
- 14** **Project title:** Análisis de rendimiento de redes de sensores basadas en 6lowpan y 802.15.4
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
Date of reading: 19/06/2017
- 15** **Project title:** SARERA KONEKTATUTAKO SORGAILU FOTOBOLTAIKOA
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 7.5
Date of reading: 20/09/2016
- 16** **Project title:** GESTIÓN DEL ALCANCE DEL PROYECTO DE SEÑALIZACIÓN DE LA ESTACIÓN DE ALTZA DEL METRO DE DONOSTIALDEA
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco
Obtained qualification: 5.5
Date of reading: 08/07/2016
- 17** **Project title:** Gestión de los Interesados en el Despliegue de Red FTTH
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco
Obtained qualification: 6
Date of reading: 08/07/2016
- 18** **Project title:** Análisis curva Planned Value de Proyectos de Construcción de AA.PP.
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 7
Date of reading: 07/07/2016
- 19** **Project title:** Análisis de los modelos de desarrollo de nuevos productos de diversas empresas del Grupo Velatia frente al estándar en gestión de proyectos
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco
Obtained qualification: 7
Date of reading: 07/07/2016
- 20** **Project title:** Implementación del Método del Valor Ganado en proyecto real para el desarrollo e instalación del software unificado de los Centro de Control de túneles
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco
Obtained qualification: 9
Date of reading: 07/07/2016



- 21** **Project title:** Método de Evaluación de la Madurez en Proyectos y Organizaciones. Metodología y Predicción basado en Curvas en S
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco
Obtained qualification: 9
Date of reading: 07/07/2016
- 22** **Project title:** VP50.50.120 ZERRA BERTIKALAREN EBAKETA DESBIDERAKETA SISTEMAREN DISEINUA ETA INPLEMENTAZIOA
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 8.8
Date of reading: 28/06/2016
- 23** **Project title:** MODELO DE EVALUACIÓN TÉCNICO-ECONÓMICA DE TECNOLOGÍAS DE ACCESO
Type of project: Doctoral thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Carlos Bendicho Julian
Obtained qualification: Notable
Date of reading: 04/02/2016
European doctorate: No
Quality recognition: No
- 24** **Project title:** Análisis de nuevas tendencias en los procesos de planificación y control en la gestión de proyectos
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 7.5
Date of reading: 10/07/2015
- 25** **Project title:** Análisis y propuesta de implementación del modelo opm3 y herramientas de gestión del big data en una empresa manufacturera
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 7.5
Date of reading: 10/07/2015
- 26** **Project title:** IRUDI BITARTEZKO ISTRIPUEN DENBORA ERREALEKO URRUTIKO KONTROLA AHALBIDETZEN DUEN SISTEMA BATEN DISEINUA ETA INPLEMENTAZIOA
Type of project: End of course project
Entity: Universidad del País Vasco
Obtained qualification: 9
Date of reading: 24/02/2015
- 27** **Project title:** SDN TEKNOLOGIAREKIN BATERAGARRIAK DIREN KOMUNIKAZIO EKIPOEN ERRENDIMENDUAREN AZTERKETARAKO METODOLOGIAREN DISEINUA ETA ANALISIA
Type of project: End of course project
Entity: Universidad del País Vasco
Obtained qualification: 10
Date of reading: 23/09/2014



- 28** **Project title:** TELEBISTA KONTROLATZEKO AHOTS SISTEMA BATEN DISEINU ETA INPLEMENTAZIOA
Type of project: End of course project
Entity: Universidad del País Vasco
Obtained qualification: 9
Date of reading: 23/09/2014
- 29** **Project title:** ANÁLISIS DE RENDIMIENTO DEL PROTOCOLO DE MOVILIDAD DE REDES NEMHIP EN ENTORNOS RURALES O INTERURBANOS
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 8.3
Date of reading: 19/09/2014
- 30** **Project title:** MODELADO DEL PROTOCOLO NEMO BS Y ANÁLISIS DE SU RENDIMIENTO A NIVEL DE APLICACIÓN DE USUARIO
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 9
Date of reading: 12/09/2014
- 31** **Project title:** Propuesta de un método de estimación de la cuenta de resultados de una empresa de servicios IT, basado en el control de costes de los proyectos
Type of project: Trabajo Fin de Máster
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 6.5
Date of reading: 23/07/2014
- 32** **Project title:** DISEÑO Y MODELADO DE UN PROTOCOLO PARA LA GESTIÓN DE LA MOVILIDAD SEGURA Y EFICAZ DE REDES MÓVILES CON DISPOSITIVOS DE BAJA CAPACIDAD
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 7.5
Date of reading: 18/07/2014
- 33** **Project title:** DIET NEMHIP: PROTOCOLO NEMO PARA DISPOSITIVOS CON BAJA CAPACIDAD PARA ENTORNOS ITS
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Obtained qualification: 9.5
Date of reading: 28/03/2014
- 34** **Project title:** MODELADO DE UN NUEVO PROTOCOLO NEMO HIP Y MEDIDAS DE RENDIMIENTO
Type of project: End of course project
Entity: Universidad del País Vasco
Obtained qualification: 9.25
Date of reading: 29/10/2010
- 35** **Project title:** MODELADO Y ANALISIS DE HANDOVERS HORIZONTALES Y VERTICALES CON UTILIZACIÓN DEL PROTOCOLO HIP
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University



Obtained qualification: 10 Matrícula de Honor
Date of reading: 30/07/2010

36 Project title: HERRAMIENTA DE MONITORIZACIÓN DE NIVELES DE OPERATIVIDAD PARA LAS TECNOLOGÍAS WIFI Y WIMAX

Type of project: End of course project

Entity: Universidad del País Vasco

Type of entity: University

Obtained qualification: 9.75

Date of reading: 25/08/2009

37 Project title: Diseño e implementación de una aplicación Web integrada con el sistema de gestión de clientes (CRM) para la oferta de servicios a antiguo alumnado de la Universidad de Deusto

Entity: Universidad del País Vasco

Type of entity: University

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: Quantum Networks Experimentation 1

Entity where project took place: UPV/EHU

Nº of researchers: 13

Start-End date: 20/12/2022 - 19/12/2026

Total amount: 129.333 €

2 Name of the project: A NEW WAY TO ASSESS QUALITY IN MANUFACTURING PROCESSES BY MERGING PROCESS DATA IN HIGH CONNECTED PRODUCTION SYSTEMS in AEROTURBINES (QUOLINK-1)

Entity where project took place: CFAA (Centro de Fabricación Aeronáutica Avanzada)

Nº of researchers: 10

Funding entity or bodies:

Gobierno Vasco

Type of entity: -

Start-End date: 01/12/2022 - 30/11/2024

Total amount: 314.410 €

3 Name of the project: Biovigilancia a través de Inteligencia Artificial (IA) en la era post-COVID: implicaciones en la arquitectura y la ciberseguridad

Entity where project took place: UPV/EHU

Nº of researchers: 4

Start-End date: 01/12/2022 - 30/11/2024

Total amount: 149.500 €

4 Name of the project: Dispositivos en Tecnologías Cuánticas

Entity where project took place: UPV/EHU

Nº of researchers: 8

Start-End date: 12/03/2022 - 31/12/2023



Total amount: 82.730 €

5 Name of the project: Dispositivos en Tecnologías Cuánticas

Nº of researchers: 8

Funding entity or bodies:

Gobierno Vasco

Type of entity: -

Start-End date: 12/03/2022 - 31/12/2023

Total amount: 82.730 €

6 Name of the project: Projects for the Digital Transformation

Nº of researchers: 6

Funding entity or bodies:

Comisión Europea

Type of entity: -

Start-End date: 01/01/2021 - 31/12/2023

7 Name of the project: Cross-domain competences for healthy and safe work in the 21st century

Nº of researchers: 6

Funding entity or bodies:

Comisión Europea

Type of entity: -

Start-End date: 25/11/2020 - 14/11/2023

Total amount: 88.744 €

8 Name of the project: Infraestructura federada de Experimentación para aplicaciones Industria 4.0

Nº of researchers: 7

Funding entity or bodies:

Gobierno Vasco

Type of entity: -

Start-End date: 27/02/2021 - 31/12/2022

Total amount: 49.705 €

9 Name of the project: REal tiME control and embeddeD securityY

Nº of researchers: 8

Funding entity or bodies:

Gobierno Vasco

Type of entity: -

Start-End date: 27/02/2021 - 31/12/2022

Total amount: 47.693 €

10 Name of the project: TRUSTIND - Creating Trust in the Industrial Digital Transformation

Nº of researchers: 7

Funding entity or bodies:

Gobierno Vasco

Type of entity: -

Start-End date: 01/01/2020 - 31/12/2021

Total amount: 80.543 €

11 Name of the project: 5G4BRIS3 - 5G for Basque RIS3

Nº of researchers: 7

Funding entity or bodies:

Gobierno Vasco

Type of entity: -



Start-End date: 01/01/2020 - 31/12/2021

Total amount: 25.368 €

12 Name of the project: Seguridad en Redes de Comunicación de Nueva Generación basadas en SDN y NFV

Entity where project took place: UPV/EHU

N° of researchers: 10

Funding entity or bodies:

Comisión Europea

Type of entity: I+D+i

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2019 - 31/12/2021

13 Name of the project: Investigación e Ingeniería Telemática / Ikerkuntza eta Ingeniaritza Telematikoa (I2T)

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

N° of researchers: 7

Funding entity or bodies:

Gobierno Vasco

Type of entity: Body, others

Start-End date: 01/01/2016 - 31/12/2021

Total amount: 467.000 €

14 Name of the project: Commet: Comunicaciones con transceptores MIMO LTE-A/mmW para servicios avanzados en transportes de alta movilidad

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Nerea Toledo Gandarias; Marina Aguado Castrillo

Funding entity or bodies:

Ministerio de Economía, Industria y Competitividad

Start-End date: 01/01/2018 - 31/12/2020

Total amount: 73.000 €

15 Name of the project: Research and Education in Project Management - REPM 2020

N° of researchers: 6

Funding entity or bodies:

Gobierno Vasco

Type of entity: -

Start-End date: 01/01/2020 - 30/06/2020

Total amount: 3.450 €

16 Name of the project: X2RAIL-1: Start-up activities for Advanced Signalling and Automation Systems

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Marina Aguado Castrillo; Nerea Toledo Gandarias

Funding entity or bodies:

Unión Europea

Start-End date: 01/09/2016 - 31/08/2019

Total amount: 60.000 €

17 Name of the project: SEKurtasun TEKnologiak

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet; Jasone Astorga Burgo; Juan Jose Unzilla Galan; Maria Victoria Higuero Aperribay; Nerea Toledo Gandarias

N° of researchers: 5



Start-End date: 01/01/2017 - 31/12/2018

Total amount: 27.042,2 €

18 Name of the project: Tecnologías de Comunicación aplicadas al sector del transporte – Proyecto Estratégico

Name principal investigator (PI, Co-PI....): Marina Aguado Castrillo

Nº of researchers: 6

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University

City funding entity: Bilbao, Basque Country, Spain

Start-End date: 26/12/2013 - 25/12/2017

Total amount: 87.216,41 €

19 Name of the project: Despliegue seguro de servicios con redes definidas por software y virtualización de funciones de red

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet; Juan Jose Unzilla Galan

Nº of researchers: 7

Funding entity or bodies:

Ministerio de Economía y Competitividad

Start-End date: 01/01/2014 - 31/12/2016

Total amount: 67.028,68 €

20 Name of the project: Unidad de formación e investigación en telecomunicación y electrónica

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Jose Luis Martín González

Nº of researchers: 61

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University

Start-End date: 01/11/2011 - 31/12/2016

Total amount: 98.311,03 €

21 Name of the project: Investigación e Ingeniería Telemática / Ikerkuntza eta Ingeniaritza Telematikoa

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 8

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University

City funding entity: Bilbao, Basque Country, Spain

Start-End date: 29/11/2013 - 28/11/2016

Total amount: 34.000 €

22 Name of the project: UNIFY - Unifying cloud and carrier networks

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 7

Funding entity or bodies:



Unión Europea

Start-End date: 01/11/2013 - 30/04/2016

Total amount: 298.740 €

23 Name of the project: SECRET – Security of Railways Against Electromagnetic Attacks

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 6

Funding entity or bodies:

Unión Europea

Start-End date: 01/08/2012 - 30/11/2015

Total amount: 235.800 €

24 Name of the project: A3RAM-NG: Autenticación, autorización y registro de actividades en redes de acceso multiservicio de nueva generación

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 8

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Body, others

Start-End date: 01/01/2011 - 31/12/2013

Total amount: 20.570 €

25 Name of the project: Future Internet II

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 9

Funding entity or bodies:

Gobierno Vasco

Type of entity: Body, others

Start-End date: 01/01/2011 - 31/12/2013

Total amount: 158.172 €

26 Name of the project: Investigación e Ingeniería Telemática / Ikerkuntza eta Ingeniaritza Telematikoa (I2T)

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 11

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University

Start-End date: 01/01/2010 - 30/10/2013

Total amount: 116.000 €

27 Name of the project: Adaptación de las redes definidas por software (OpenFlow) a redes universitarias y de investigación – Proyectos Especiales

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 8

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University



Start-End date: 01/06/2011 - 01/07/2013

Total amount: 57.659,89 €

28 Name of the project: SensITS: Seguridad y movilidad en redes de sensores para entornos ITS

Entity where project took place: Universidad del País Vasco

Nº of researchers: 4

Funding entity or bodies:

Gobierno Vasco

Type of entity: Body, others

Start-End date: 01/01/2011 - 31/12/2012

Total amount: 20.519,8 €

29 Name of the project: Plataforma para investigación en rutado y switching

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 8

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University

Start-End date: 01/01/2010 - 31/12/2010

Total amount: 17.085 €

30 Name of the project: Future Internet

Entity where project took place: Universidad del País Vasco

Name principal investigator (PI, Co-PI....): Eduardo Jacob Taquet

Nº of researchers: 6

Funding entity or bodies:

Gobierno Vasco

Type of entity: Body, others

Start-End date: 01/01/2008 - 31/12/2010

Total amount: 45.729 €

31 Name of the project: Seguridad en Redes de Comunicación de Nueva Generación basadas en SDN y NFV (STRONG)

City of entity: UPV/EHU,

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

1 Name of the project: Cyrail: Cybersecurity in the railway sector

Name principal investigator (PI, Co-PI....): Marina Aguado Castrillo; Nerea Toledo Gandarias

Funding entity or bodies:

Evoleo Technologies LDA

Start date: 01/10/2016

Duration: 3 years

Total amount: 141.000 €

2 Name of the project: Cybersecurity on Rails

Name principal investigator (PI, Co-PI....): Marina Aguado Castrillo

Funding entity or bodies:

Construcciones y Auxiliar de Ferrocarriles, S.A.

Type of entity: Business

City funding entity: Beasain, Basque Country, Spain

Start date: 30/10/2015
Total amount: 39.850,59 €

Duration: 1 year

- 3 Name of the project:** TECNOLOGÍAS ECOLÓGICAS PARA EL TRANSPORTE URBANO(CENIT-ECOTRANS)
Name principal investigator (PI, Co-PI....): Marina Aguado
Nº of researchers: 8
Start date: 11/11/2008
Total amount: 233.565 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Artificial Intelligence Enabled Project Management: A Systematic Literature Review. Applied Sciences. MDPI, 19/05/2023.
Type of production: Scientific paper
- 2** Cruz; Sastoque; Otegi; Toledo; Lopez de Lacalle. Identification of Key Performance Indicators in Project-Based Organisations through the Lean Approach. Sustainability. MDPI, 24/07/2020. ISSN 2071-1050
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
- 3** Leonardo Sastoque; Raul Llorente; Nerea Toledo; Norberto Lopez de la Calle; Mahboobeh Ramezani. TRLs 5–7 Advanced Manufacturing Centres, Practical Model to Boost Technology Transfer in Manufacturing. SUSTAINABILITY. 11 - 18, MDPI, 02/09/2019. ISSN 2071-1050
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 5
Impact source: ISI **Category:** ENVIRONMENTAL SCIENCES
Impact index in year of publication: 2,592
Position of publication: 105 **No. of journals in the cat.:** 251
- 4** David Franco; Marina Aguado; Nerea Toledo. An Adaptable Train-to-Ground Communication Architecture Based on the 5G Technological Enabler SDN. Electronics. 8 - 660, pp. 1 - 12. MDPI, 12/06/2019. ISSN 2079-9292
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Impact index in year of publication: 1,764
Position of publication: 154 **No. of journals in the cat.:** 266
- 5** Mikel Iturrate; Rikardo Minguez; Nerea Toledo; Harkaitz Egiraun; Iñigo de Padro; Eneko Solaberrieta. A virtual kinematic design of dental restorations using reverse engineering. Advances on Mechanics, Design Engineering and Manufacturing II. Lecture Notes in Mechanical Engineering. Springer, 27/05/2019. ISBN 978-3-030-12346-8
Type of production: Scientific paper **Format:** Book

**Impact source:** SCOPUS**Impact index in year of publication:** 0.139**Category:** Mechanical Engineering

- 6** Nerea Toledo; Jaime Lopez; Mainer Iturrondobeitia; Isabel Herrero. Fostering non-technical skills for future engineers: labour reality in the Graphic Expression subject. Advances on Mechanics, Design Engineering and Manufacturing II. Lecture Notes in Mechanical Engineering. Springer, 27/05/2019. ISBN 978-3-030-12345-1

Type of production: Scientific paper**Format:** Book**Impact source:** SCOPUS**Category:** Mechanical Engineering**Impact index in year of publication:** 0.139

- 7** Jaime Lopez; Isabel Herrero; Mainer Iturrondobeitia; Nerea Toledo. Which didactic methodology is the most appropriate for my subject?. Advances on Mechanics, Design Engineering and Manufacturing II. Lecture Notes in Mechanical Engineering. pp. 696 - 704. Springer, 27/05/2019. ISBN 978-3-030-12346-8

Type of production: Scientific paper**Format:** Book**Impact source:** SCOPUS**Category:** Mechanical Engineering**Impact index in year of publication:** 0.139

- 8** Jose Ramon Otegi; Nerea Toledo. A Novel Method for Strategic Decision Making based on Project Management Maturity. DYNA. 94, pp. 75 - 81. 2019.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 2**Impact source:** ISI**Category:** Engineering Multidisciplinary**Impact index in year of publication:** 0.5

- 9** Irene Arsuaga; Igor Lopez; Nerea Toledo; Marina Aguado. A Framework for Vulnerability Detection in European Train Control Railway Communications. Covert Communication Networks in Hostile Environments, Security and Communication Networks. 2018. ISSN 1939-0114

Type of production: Scientific paper**Position of signature:** 3**Total no. authors:** 5**Impact source:** ISI**Category:** Telecommunications**Impact index in year of publication:** 1.067**Journal in the top 25%:** No**Position of publication:** 72**No. of journals in the cat.:** 89

- 10** Carsten Wolff; Jose Ramon Otegi-Olaso; Sergey Bushuyev; Anatoly Sachenko; Ruta Ciutene; B Hussein; T Torvatn; Peter Arras; Christian Reimann; Andre Dechange; Nerea Toledo; Ala Nuseibah; Olga Mikhieieva. Master level education in project management - the EuroMPM model. 2017 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS). Proceedings. 2, pp. 836 - 842. 2017. ISBN 978-1-5386-0697-1

Type of production: Scientific paper**Format:** Journal

- 11** Nerea Toledo; Marivi Higuero; Jasone Astorga; Juanjo Unzilla; Aitor Urtasun; Mainer Huarte. A compatibility strategy for enabling secure and efficient ITS communications in today's Internet. Telecommunication Systems / Telecommun Syst. 2016. ISSN 10184864

DOI: 10.1007/s11235-015-0117-3**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee



Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 1.583

Position of publication: 53

Relevant results: ISBN-ISSN: 1018-4864 / 1572-9451

Category: Telecommunications

No. of journals in the cat.: 89

- 12** Alaitz Mendiola; Victor Fuentes; Jon Matias; Jasone Astorga; Nerea Toledo; Eduardo Jacob; Mainer Huarte. An architecture for dynamic QoS management at Layer 2 for DOCSIS access networks using OpenFlow. *Computer Networks*. 94, pp. 112 - 128. 2016. ISSN 13891286

DOI: 10.1016/j.comnet.2015.11.017

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 2.516

Position of publication: 13

Format: Journal

Category: Computer Scienc, Hardware & Architecture

Journal in the top 25%: Yes

No. of journals in the cat.: 51

- 13** Nerea Toledo; Maria Victoria Higuero; Mainer Huarte; Juan Jose Unzilla. Evaluation of a mobility approach to support vehicular applications using a realistic simulation framework. *Communications in Computer and Information Science*. 639, pp. 709 - 721. 2016. ISSN 1865-0929

DOI: 10.1007/978-3-319-46254-7_57

Type of production: Scientific paper

Impact source: SCOPUS

Impact index in year of publication: 0.162

- 14** Elias Molina; Eduardo Jacob; Nerea Toledo; Armando Astarloa. Performance Enhancement of High-Availability Seamless Redundancy (HSR) Networks Using OpenFlow. *IEEE Communications Letters*. 20 - 2, pp. 364 - 367. 2016. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:01865-0929-639-709-721> ISSN 1089-7798

DOI: 10.1109/LCOMM.2015.2504442

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.988

Position of publication: 37

Source of citations: SCOPUS

Format: Journal

Category: Telecommunications

No. of journals in the cat.: 89

Citations: 2

- 15** Jasone Astorga; Eduardo Jacob; Nerea Toledo; Marina Aguado; Marivi Higuero. A lossy channel aware parameterisation of a novel security protocol for wireless IP-enabled sensors. *Wireless Networks*. 21 - 4, pp. 1289 - 1308. 2015. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:01022-0038> ISSN 1022-0038

DOI: 10.1007/s11276-014-0854-3

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.006

Position of publication: 86

Format: Journal

Category: Computer Science, Informatino Systems

No. of journals in the cat.: 144

- 16** Jon Matias; Jokin Garay; Nerea Toledo; Juanjo Unzilla; Eduardo Jacob. Toward an SDN-Enabled NFV Architecture. *IEEE Communications Magazine*. 53 - 4, pp. 187 - 193. 2015. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:01089-7798-20-2-364-367>



GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0
ISSN 0163-6804

DOI: 10.1109/MCOM.2015.7081093

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Telecommunications

Impact index in year of publication: 5.125

Journal in the top 25%: Yes

Position of publication: 2

No. of journals in the cat.: 89

Source of citations: SCOPUS

Citations: 42

- 17** Nerea Toledo; Marivi Higuero; Maider Huarte; Jon Matias; Eduardo Jacob; Juan Jose Unzilla. A proposal to contribute to ITS standardization activity: A valuable network mobility management approach. *Computer Standards & Interfaces*. 36 - 3, pp. 465 - 479. 2014. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 0920-5489

DOI: 10.1016/j.csi.2013.08.019

Type of production: Scientific paper

Format: Journal

Source of citations: SCOPUS

Citations: 4

- 18** Jasone Astorga; Eduardo Jacob; Nerea Toledo; Marina Aguado. Analytical evaluation of a time- and energy-efficient security protocol for IP-enabled sensors. *Computers & Electrical Engineering*. 40 - 2, pp. 539 - 550. 2014. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 0045-7906

DOI: 10.1016/j.compeleceng.2013.10.002

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Computer Science, Hardware & Architecture

Impact index in year of publication: 0.817

Position of publication: 28

No. of journals in the cat.: 50

Source of citations: SCOPUS

Citations: 1

- 19** Jasone Astorga; Eduardo Jacob; Nerea Toledo; Juanjo Unzilla. Enhancing secure access to sensor data with user privacy support. *Computer Networks*. 64, pp. 159 - 179. 2014. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 1389-1286

DOI: 10.1016/j.comnet.2014.02.002

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Computer Science, Hardware & Architecture

Impact index in year of publication: 1.256

Position of publication: 18

No. of journals in the cat.: 50

Source of citations: SCOPUS

Citations: 1

- 20** Jasone Astorga; Juan Carlos Astorga; Eduardo Jacob; Nerea Toledo; Marivi Higuero. Securing access to next generation IP-enabled pacemakers and ICDs using Ladon. *Journal of Ambient Intelligence and Smart Environments*. 6 - 2, pp. 157 - 177. 2014. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 1876-1364



DOI: 10.3233/AIS-140250

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.063

Position of publication: 65

Source of citations: SCOPUS

Format: Journal

Category: Computer Science, Information Systems

No. of journals in the cat.: 139

Citations: 3

21

Jon Matias; Alaitz Mendiola; Nerea Toledo; Borja Tornero; Eduardo Jacob. The EHU-OEF: An Open Flow-based Layer-2 experimental facility. *Computer Networks*. 63, pp. 101 - 127. 2014. Available on-line at: <[http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0181-0122\(201401\)63:1;1-127](http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0181-0122(201401)63:1;1-127)>
ISSN 1389-1286

DOI: 10.1016/j.bjp.2013.11.013

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.256

Position of publication: 18

Source of citations: SCOPUS

Format: Journal

Category: Computer Science, Hardware & Architecture

No. of journals in the cat.: 50

Citations: 9

22

Jasone Astorga; Marina Aguado; Nerea Toledo; Marivi Higuero. A high performance link layer mobility management strategy for professional private broadband networks. *Journal of Network and Computer Applications*. 36 - 4, pp. 1152 - 1163. 2013. Available on-line at: <[http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0168-0171\(201304\)36:4;1-1163](http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0168-0171(201304)36:4;1-1163)>
ISSN 1084-8045

DOI: 10.1016/j.jnca.2013.01.005

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.772

Position of publication: 8

Source of citations: SCOPUS

Format: Journal

Category: Computer Science, Hardware & Architecture

Journal in the top 25%: Yes

No. of journals in the cat.: 50

Citations: 5

23

Nerea Toledo; Marivi Higuero; Jasone Astorga; Marina Aguado; Jean Marie Bonnin. Design and formal security evaluation of NeMHIP: A new secure and efficient network mobility management protocol based on the Host Identity Protocol. *Computers & Security*. 32, pp. 1 - 18. 2013. Available on-line at: <[http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0167-4048\(201309\)32:1;1-18](http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0167-4048(201309)32:1;1-18)>
ISSN 0167-4048

DOI: 10.1016/j.cose.2012.09.014

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.172

Position of publication: 59

Source of citations: SCOPUS

Format: Journal

Category: Computer Science, Hardware & Architecture

No. of journals in the cat.: 135

Citations: 8

24

Nerea Toledo; Jean Marie Bonnin; Marivi Higuero. Performance evaluation of user applications in the ITS scenario: An analytical assessment of the NeMHIP. *Journal of Network and Computer Applications*. 36 - 5, pp. 1324 - 1336. 2013. Available on-line at: <[http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0168-0171\(201305\)36:5;1-1336](http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0168-0171(201305)36:5;1-1336)>



GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0
ISSN 1084-8045

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Computer Science, Hardware & Architecture

Impact index in year of publication: 1.772

Journal in the top 25%: Yes

Position of publication: 8

No. of journals in the cat.: 50

Source of citations: SCOPUS

Citations: 4

25 Nerea Toledo; Marivi Higuero; Jasone Astorga; Marina Aguado; Xavier Lagrange. Analytical efficiency evaluation of a network mobility management protocol for Intelligent Transportation Systems. Eurasip Journal on Wireless Communications and Networking. 2012. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 1687-1499

DOI: 10.1186/1687-1499-2012-339

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Telecommunications

Impact index in year of publication: 0.805

Position of publication: 55

No. of journals in the cat.: 78

26 Marina Aguado; Eduardo Jacob; Jasone Astorga; Nerea Toledo; Marion Berbineau. The cross layer RMPA handover: a reliable mobility pattern aware handover strategy for broadband wireless communication in a high-speed railway domain. Eurasip Journal on Wireless Communications and Networking. 2012. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 1687-1499

DOI: 10.1186/1687-1499-2012-298

Type of production: Scientific paper

Format: Journal

27 Nerea Toledo; Marivi Higuero; Eduardo Jacob; Jon Matias. Analytical Evaluation of a HIP Registration Enhancement for NEMO Scenarios. IEEE Communications Letters. 15 - 5, pp. 587 - 589. 2011. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 1089-7798

DOI: 10.1109/LCOMM.2011.032111.110231

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Telecommunications

Impact index in year of publication: 0.982

Position of publication: 38

No. of journals in the cat.: 79

Source of citations: WOS

Citations: 7

28 Nerea Toledo; Jean Marie Bonnin; Marivi Higuero; Eduardo Jacob; IEEE. Host Identity Protocol based NEMO solutions: An evaluation of the signaling overhead. 2011 IEEE 73rd Vehicular Technology Conference (Vtc Spring). 2011. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 1550-2252

DOI: 10.1109/VETECS.2011.5956231

Type of production: Scientific paper

Format: Journal



- 29** Jasone Astorga; Eduardo Jacob; Nerea Toledo; Maria Victoria Higuero. Taxonomy of security protocols for wireless sensor communications. Security for multihop wireless networks. CRC Press, Taylor & Francis Group, 2014. ISBN 9781466578036
Type of production: Book chapter
- 30** Marina Aguado; Nerea Toledo; Marion Berbineau; Eduardo Jacob. Communication architectures and services for intelligent transport systems. Wireless Technologies in Vehicular Ad Hoc Networks: Present and Future Challenges. pp. 205 - 225. 2012. ISBN 978-146660209-0
DOI: 10.4018/978-1-4666-0209-0.ch010
Type of production: Book chapter
- 31** Nerea Toledo; Maria Victoria Higuero. Network Mobility Management in the ITS context: protocols for managing Vehicular-to-Infrastructure communications. Mobile Computing Techniques in Emerging Markets. IGI-Global, 2012. ISBN 978-1-4666-0082-9
Type of production: Book chapter
- 32** Marina Aguado; Jasone Astorga; Nerea Toledo; Jon Matias; J Kennington; E Olinick; D Rajan. Simulation-Based Methods for Network Design. Wireless Network Design: Optimization Models and Solution Procedures. 158, pp. 271 - 293. 2011. Available on-line at: <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:0>
ISSN 0884-8289
DOI: 10.1007/978-1-4419-6111-2_12
Type of production: Book chapter **Format:** Journal

Works submitted to national or international conferences

- 1** **Title of the work:** Patterns for International Cooperation between Innovation Clusters. Cases of CFAA and ruhrvalley
Name of the conference: 2020 IEEE EUROPEAN TECHNOLOGY & ENGINEERING MANAGEMENT SUMMIT
City of event: Dortmund, Germany
Date of event: 05/03/2020
End date: 07/03/2020
Leonardo Sastoque; Stefanie Bengfort; Nargiza Mikhridinova; Norberto López de Lacalle; Carsten Wolff; Nerea Toledo.
- 2** **Title of the work:** Analysis of the Impact of Research Projects Risks in the KPIs
Name of the conference: XXIII Congreso Internacional de Dirección e Ingeniería de Proyectos (CIDIP 2019)
City of event: Malaga, Spain
Date of event: 09/07/2019
End date: 12/07/2019
Nerea Toledo; Jose Ramon Otegi-Olaso; Misagh Rostami.
- 3** **Title of the work:** HYBRID PROJECT MANAGEMENT METHODOLOGY FOR R&D, INNOVATION AND R&D&I PROJECTS IN CFAA
Name of the conference: Dortmund International Research Conference
City of event: Dortmund, Germany
Date of event: 28/06/2019
End date: 29/06/2019
Mahboobeh Ramezani; Leonardo Sastoque; Nerea Toledo; Norberto Lopez de la Calle; Jose Ramón Otegi-Olaso.



- 4** **Title of the work:** Master level education in project management — The EuroMPM model
Name of the conference: Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)
City of event: Bucarest, Romania
Date of event: 11/2017
Carsten Wolff; Ala Nuseibah; Tim Torvatn; Peter Arras; Christian Reimann; Andre Dechange; Nerea Toledo; Joserra Otegi; Sergey Bushuyev; Anatoliy Sachenko; Ruta Ciutene; Bassam Hussein; Olga Mikhieieva.
ISBN 978-1-5386-0697-1
DOI: 10.1109/IDAACS.2017.8095205
- 5** **Title of the work:** FlowNAC: flow-based network access control
Name of the conference: 3rd European Workshop on Software Defined Networks (EWSDN)
City of event: Budapest, Hungary
Date of event: 09/2014
Jon Matias; Jokin Garay; Alaitz Mendiola; Nerea Toledo; Eduardo Jacob. "Proceedings.". ISBN 978-1-4799-6919-7
DOI: 10.1109/EWSDN.2014.39
- 6** **Title of the work:** Implementing layer 2 network virtualization using OpenFlow: challenges and solutions
Name of the conference: European Workshop on Software Defined Networks (EWSDN)
City of event: Darmstadt, Germany
Date of event: 12/2012
Jon Matias; Borja Tornero; Alaitz Mendiola; Eduardo Jacob; Nerea Toledo. "Proceedings.". ISBN 978-1-4673-4554-5
DOI: 10.1109/EWSDN.2012.18
- 7** **Title of the work:** Extending neutrality to experimental facilities
Name of the conference: International Conference on Access Networks ACCESS 2012
City of event: Venecia, Italy
Date of event: 06/2012
Jon Matias; Eduardo Jacob; Maria Victoria Higuero; Nerea Toledo. ISBN 978-1-61208-205-9
- 8** **Title of the work:** Fundamentals of NeMHIP: An enhanced HIP based NEMO protocol
Name of the conference: IEEE Consumer Communications and Networking Conference
City of event: Las Vegas, United States of America
Date of event: 01/2011
Nerea Toledo; Jean Marie Bonnin; Maria Victoria Higuero; Eduardo Jacob. ISBN 978-142448790-5
DOI: 10.1109/CCNC.2011.5766353
- 9** **Title of the work:** Deploying IP Traffic over a IEEE 802.16 Wireless Ethernet Transport Network
Name of the conference: OPNETWORK 2010
City of event: Washington, United States of America
Date of event: 09/2010
Marina Aguado; Jasone Astorga; Isaac Bueno; Nerea Toledo.
- 10** **Title of the work:** A Novel Architecture for Secure, Always-Best-Connected Ship-Shore Communications
Name of the conference: 9th International Conference on Intelligent Transportation Systems Telecommunication ITS-T
City of event: Lille, France
Date of event: 10/2009



Nerea Toledo; M^a Victoria Higuero; Eduardo Jacob; Marina Aguado. "Proceedings.". ISBN 978-1-4244-5346-7
DOI: 10.1109/ITST.2009.5399359

11 Title of the work: Simulation framework for performance evaluation of broadband communication architecture for next generation railway communication services

Name of the conference: 9th International Conference on Intelligent Transportation Systems Telecommunication ITS-T

City of event: Lille, France

Date of event: 10/2009

Marina Aguado; Eduardo Jacob; Marion Berbineau; Jasone Astorga; Nerea Toledo. "Proceedings.". ISBN 978-1-4244-5346-7

DOI: 10.1109/ITST.2009.5399310

12 Title of the work: Extending the Host Identity Protocol for Next Generation Wireless Networks

Name of the conference: IEEE Wireless and Optical Communication Networks

City of event: Cairo, Egypt

Date of event: 04/2009

Nerea Toledo; M^a Victoria Higuero; Eduardo Jacob; Jon Matias. "Proceedings.". ISBN 978-1-4244-4704-6

DOI: 10.1109/WOCN.2009.5010503

13 Title of the work: Wireless Communications Applicability in Freight Transport: towards the e-navigation

Name of the conference: Offshore Mediterranean Conference & Exhibition

City of event: Ravenna, Italy

Date of event: 03/2009

Nerea Toledo; M^a Victoria Higuero; Eduardo Jacob; Jon Matias. "Proceedings.".

14 Title of the work: Scanning on Handover Enhancement Issues in Video Application Deployments on WiMAX Mobile Networks.

Name of the conference: IEEE International Symposium on Broadband Multimedia Systems and Broadcasting

City of event: Las Vegas,

Date of event: 04/2008

Marina Aguado; Eduardo Jacob; Puri Saiz; Jon Matias; Marivi Higuero; Nerea Toledo; Marion Berbineau. "Proceedings.". ISBN 978-1-4244-1648-6

DOI: 10.1109/ISBMSB.2008.4536678

15 Title of the work: Adapting Agile Principles for Requirements Engineering in Automotive Software Development

Name of the conference: 2022 IEEE European Technology and Engineering Management Summit, E-TEMS 2022



R&D management and participation in scientific committees

Organization of R&D activities

- 1 Title of the activity:** European Workshop on Software Defined Networks - EWSDN
Type of activity: Local organizer
- 2 Title of the activity:** Research and Education in Project Management 2018
Type of activity: Congreso Internacional **Geographical area:** European Union
- 3 Title of the activity:** Research and Education in Project Management 2019
Type of activity: Congreso Internacional
- 4 Title of the activity:** Research and Education in Project Management 2020
Type of activity: Congreso Internacional

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Institut Telecom
City of entity: Rennes, France
Start-End date: 15/05/2012 - 15/08/2012
Goals of the stay: Doctorate
- 2 Entity:** Institut Telecom
City of entity: Rennes, France
Start-End date: 01/12/2009 - 28/02/2010
Goals of the stay: Doctorate