



Amaia Calleja Ochoa

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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.

I am a researcher specialized in the field of mechanical manufacturing engineering with extensive experience as a researcher as well as a professional engineer. I have developed two research lines:

a) Machining processes control and optimization, and b) Additive manufacturing.

I started my research career in 2008 at the University of the Basque Country as a student in the Department of Mechanical Engineering. At the same time, I become member of the research group led by prof. Luis Norberto López de Lacalle Marcaide. I defended my PhD thesis in 2015 supported by a grant from the Basque Government. I have published 13 papers indexed in the Web of Science Core Collection in the area of ENGINEERING and 10 papers indexed in SCOPUS. I have also attended about 30 engineering conferences. I have also published 2 international book chapters in Springer.

Currently I am supervising a PhD thesis about additive manufacturing. Finally, since 2012 I teach at the Department of Mechanical Engineering in the Unibersity of the Basque Country.



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.

H index: 6

Date of application: 25/05/2018



Amaia Calleja Ochoa

Surname(s): **Calleja Ochoa**
Name: **Amaia**
DNI: [REDACTED]
ORCID: **orcid.org/0000-0002-4978-3443**
ScopusID: **54881769200**
ResearcherID: **P-6660-2015**
Date of birth: [REDACTED]
Gender: **Female**
Nationality: **Spain**
Country of birth: **Spain**
Aut. region/reg. of birth: **Basque Country**
Contact province: **Álava**
City of birth: **Vitoria-Gasteiz**
Contact address: **C/Nieves Cano 12**
Postcode: **01006**
Contact country: **Spain**
Contact aut. region/reg.: **Basque Country**
Contact city: **Vitoria-Gasteiz**
Land line phone: [REDACTED]
Email: **amaia.calleja@ehu.eus**
Mobile phone: [REDACTED]

Current professional situation

Employing entity: Universidad del País Vasco

Department: Ingeniería Mecánica, Escuela Universitaria de Ingeniería de Vitoria-Gasteiz

Professional category: Profesor Adjunto

Start date: 02/10/2015

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 331300 - Mechanical Engineering and technology

Identify key words: Mechanical engineering

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad del País Vasco	Profesor ayudante	01/10/2013
2	Gobierno Vasco	Becario	01/01/2011
3	Burdinberri SL	Delineantes y diseñadores técnicos	25/06/2010
4	Universidad del País Vasco	Becario	01/06/2009
5	Universidad del País Vasco	Becario	28/04/2008
6	METRALTEC, S.L.	Técnico en mecánica	02/07/2007



- 1** **Employing entity:** Universidad del País Vasco **Type of entity:** University
Professional category: Profesor ayudante
Start-End date: 01/10/2013 - 01/10/2015
- 2** **Employing entity:** Gobierno Vasco **Type of entity:** Universidad del País Vasco
Professional category: Becario
Start-End date: 01/01/2011 - 30/09/2013
- 3** **Employing entity:** Burdinberri SL **Type of entity:** Business
Professional category: Delineantes y diseñadores técnicos
Start-End date: 25/06/2010 - 03/08/2010
- 4** **Employing entity:** Universidad del País Vasco **Type of entity:** University
Professional category: Becario
Start-End date: 01/06/2009 - 31/12/2009
- 5** **Employing entity:** Universidad del País Vasco **Type of entity:** University
Professional category: Becario
Start-End date: 28/04/2008 - 27/01/2009
- 6** **Employing entity:** METRALTEC, S.L.
Professional category: Técnico en mecánica
Start-End date: 02/07/2007 - 31/07/2007



Education

University education

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

- 1 University degree:** Doctorate
Name of qualification: Doctora en Ingeniería Mecánica
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of qualification: 15/04/2015
- 2 University degree:** Máster
Name of qualification: Máster en Ingeniería Mecánica
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of qualification: 01/10/2012
- 3 University degree:** Higher degree
Name of qualification: Ingeniero Industrial Intensificación Mecánica
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of qualification: 01/10/2010
- 4 University degree:** Título propio
Name of qualification: Título propio especialista en Máquina Herramienta
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of qualification: 01/10/2010

Doctorates

Doctorate programme: Ingeniería Mecánica
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of degree: 24/03/2015

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

- 1 Title of course/seminar:** Taller de sostenibilidad e ingeniería ¿Cómo podemos integrar esta competencia en nuestra actividad docente? enseñar en la Universidad.
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 15 hours
Start-End date: 02/06/2017 - 02/06/2107
- 2 Title of course/seminar:** Igualdad de mujeres y hombres
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 01/04/2018 - 30/04/2018



- 3** **Title of course/seminar:** Lenguaje inclusivo
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 01/04/2018 - 30/04/2018
- 4** **Title of course/seminar:** Nuevas masculinidades
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 25 hours
Start-End date: 01/04/2018 - 30/04/2018
- 5** **Title of course/seminar:** Materiales digitales accesibles para el estudiante
Organising entity: Universidad Nacional de Educación a Distancia **Type of entity:** University
Duration in hours: 15 hours
Start-End date: 01/04/2018 - 15/04/2018
- 6** **Title of course/seminar:** De formador a facilitador
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 20 hours
Start-End date: 01/01/2018 - 20/01/2018
- 7** **Title of course/seminar:** Calidad en la tutoría de prácticas externas en el itinerario en la formación dual
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 10 hours
Start-End date: 11/01/2018 - 11/01/2018
- 8** **Title of course/seminar:** Elaboración de la memoria del proyecto docente para las oposiciones a profesorado agregado y titular
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 5 hours
Start-End date: 10/01/2018 - 10/01/2018
- 9** **Title of course/seminar:** Difusión y evaluación del Currículum científico II: La convocatoria de sexenios
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 5 hours
Start-End date: 02/12/2017 - 02/12/2017
- 10** **Title of course/seminar:** Difusión y evaluación del Currículum científico I: Identidad digital y reputación online para científicos
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 5 hours
Start-End date: 01/12/2017 - 01/12/2017
- 11** **Title of course/seminar:** Nuevas perspectivas para la diversidad
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 6 hours
Start-End date: 02/11/2017 - 02/11/2017



- 12** **Title of course/seminar:** Sesión grupal para la elaboración del protocolo contra la violencia de género y acoso en la UPV/EHU
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 2 hours
Start-End date: 01/11/2017 - 01/11/2017
- 13** **Title of course/seminar:** DOITU-EUI: ¿Qué aspectos puedo mejorar en mi planificación docente?
Organising entity: University of the Basque Country **Type of entity:** University
Faculty, institute or centre: University of the Basque Country
Duration in hours: 50 hours
Start-End date: 01/01/2017 - 01/06/2017
- 14** **Title of course/seminar:** Novedades en eGELA
Organising entity: University of the Basque Country **Type of entity:** University
Faculty, institute or centre: University of the Basque Country
Duration in hours: 8 hours
Start-End date: 01/07/2015 - 31/07/2015
- 15** **Title of course/seminar:** Una mirada de género a las Ingenierías
Organising entity: Universidad del País Vasco **Type of entity:** University
Duration in hours: 8 hours
Start-End date: 01/06/2007 - 01/06/2007

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	B1	B1	B1	B1	B1
Basque	C1	C1	C1	C1	C1
English	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

- 1** **Name of the course:** Ingeniería Civil
University degree: Grado en Ingeniería en Geomática y Topografía
Start date: 01/09/2016 **End date:** 31/07/2017
End date: 31/07/2017 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6
Entity: Universidad del País Vasco **Type of entity:** University
Subject language: Basque
- 2** **Name of the course:** Ingeniería Civil
University degree: Grado en Ingeniería en Geomática y Topografía
Start date: 01/09/2016 **End date:** 31/07/2017
End date: 31/07/2017 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6



Entity: Universidad del País Vasco
Subject language: Spanish

Type of entity: University

3 Name of the course: Tecnología Mecánica
University degree: Grado en Ingeniería Mecánica
Start date: 01/09/2016
End date: 31/07/2017
Hours/ECTS credits: 6
Entity: Universidad del País Vasco
Faculty, institute or centre: Escuela de Ingeniería de Vitoria-Gasteiz
Subject language: English

End date: 31/07/2017
Type of hours/ ECTS credits: Credits

Type of entity: University

4 Name of the course: Tecnología Mecánica
University degree: Grado en Ingeniería Mecánica
Start date: 01/09/2016
End date: 31/07/2017
Hours/ECTS credits: 6
Entity: Universidad del País Vasco
Faculty, institute or centre: Escuela de Ingeniería de Vitoria-Gasteiz
Subject language: Basque

End date: 31/07/2017
Type of hours/ ECTS credits: Credits

Type of entity: University

5 Name of the course: Ingeniería Civil
University degree: Grado en Ingeniería en Geomática y Topografía
Start date: 01/09/2015
End date: 31/07/2016
Hours/ECTS credits: 6
Entity: Universidad del País Vasco
Subject language: Spanish

End date: 31/07/2016
Type of hours/ ECTS credits: Credits

Type of entity: University

6 Name of the course: Tecnología Mecánica
University degree: Grado en Ingeniería Mecánica
Start date: 01/09/2015
End date: 31/07/2016
Hours/ECTS credits: 5,99
Entity: Universidad del País Vasco
Faculty, institute or centre: Escuela de Ingeniería de Vitoria-Gasteiz
Subject language: English

End date: 31/07/2016
Type of hours/ ECTS credits: Credits

Type of entity: University

7 Name of the course: Tecnología Mecánica
University degree: Grado en Ingeniería Mecánica
Start date: 01/09/2015
End date: 31/07/2016
Hours/ECTS credits: 5,94
Entity: Universidad del País Vasco
Faculty, institute or centre: Escuela de Ingeniería de Vitoria-Gasteiz
Subject language: Basque

End date: 31/07/2016
Type of hours/ ECTS credits: Credits

Type of entity: University

8 Name of the course: Tecnología Mecánica
University degree: Grado en Ingeniería Mecánica
Start date: 01/09/2014
End date: 31/07/2015

End date: 31/07/2015
Type of hours/ ECTS credits: Credits

**Hours/ECTS credits:** 5,98**Entity:** Universidad del País Vasco**Type of entity:** University**Faculty, institute or centre:** Escuela de Ingeniería de Vitoria-Gasteiz**Subject language:** Basque**9 Name of the course:** Cinemática y Dinámica de máquinas**University degree:** Grado en Ingeniería Mecánica**Start date:** 01/09/2013**End date:** 31/07/2014**End date:** 31/07/2014**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 5,58**Entity:** Universidad del País Vasco**Type of entity:** University**Faculty, institute or centre:** Escuela de Ingeniería de Vitoria-Gasteiz**Subject language:** Spanish**10 Name of the course:** Tecnologías de Fabricación**University degree:** Ingeniería en Organización Industrial**Start date:** 01/09/2013**End date:** 31/07/2014**End date:** 31/07/2014**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,5**Entity:** Universidad del País Vasco**Type of entity:** University**Subject language:** English**11 Name of the course:** Diseño de Máquinas**University degree:** Grado en Ingeniería Mecánica**Start date:** 01/09/2012**End date:** 31/07/2013**End date:** 31/07/2013**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 3**Entity:** Universidad del País Vasco**Type of entity:** University**Faculty, institute or centre:** Escuela de Ingeniería de Vitoria-Gasteiz**Subject language:** Basque**12 Name of the course:** Tecnologías de Fabricación**University degree:** Ingeniería en Organización Industrial**Start date:** 01/09/2012**End date:** 31/07/2013**End date:** 31/07/2013**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,5**Entity:** Universidad del País Vasco**Type of entity:** University**Subject language:** English

Experience supervising doctoral thesis and/or final year projects

1 Project title: Concepción de sistema de corte automático de Skim en Calandra EB1700 de la actividad GC**Type of project:** End of course project**Entity:** Universidad del País Vasco**Type of entity:** University**Student:** Cristina Fernández Pisano**Obtained qualification:** 9.5**Date of reading:** 07/07/2017



2 **Project title:** DESARROLLO DEL TALADRADO AUTOMATIZADO DE UN ALA DE AVIÓN (CON ROBOT TRICEPT)

Type of project: End of course project

Entity: Universidad del País Vasco

Type of entity: University

Student: Yeray López de Munaín Cuesta

Obtained qualification: 9.5

Date of reading: 07/07/2017

3 **Project title:** Optimización del proceso de fabricación de componentes aeronáuticos de alto valor añadido

Type of project: End of course project

Entity: Universidad del País Vasco

Type of entity: University

Student: Jokin Garcia Garcia de Vicuña

Obtained qualification: 9

Date of reading: 21/09/2016

Teaching experience in courses and seminars for university teacher training

Name of the event: I usually teach courses and seminars on Manufacturing Engineering, Computer Numeric Control, Computer Aided Design, Computer Aided Manufacturing, etc. I have given more than 15 courses and 1000h in many employment programs such as Lanbide, Hobetuz and SEA.

Educational or pedagogical publications, books, articles, etc.

Luis Norberto López de Lacalle Marcaide; Amaia Calleja Ochoa; Gorka Urbikain Pelayo; Asier Fernández Valdivielso. MATERIALS SCIENCE FORUM: SPECIAL ISSUE: NEW FRONTIERS IN MANUFACTURING ENGINEERING AND MATERIALS PROCESSING TRAINING AND LEARNING. 1 - 1, pp. 129 - 135. TRANS TECH PUBLICATIONS, 26/02/2015. ISBN 978-3-03785-705-2

Name of the materials: NEW TRENDS IN HIGHER EDUCATION FOR A THINNER APPROACH TO TECHNOLOGICAL NEEDS OF MANUFACTURING PROCESSES

Date of drafting: 26/02/2015

Format: Article(s)

Participation in innovative teaching projects

Project title: Inclusión de perspectiva de género en asignaturas del Grado en Ingeniería Mecánica a través del uso de metodologías activas para el desarrollo de competencias de cuidado

Type of participation: Principal investigator

Time of working relationship: For a limited time

Number of participants: 6

Amount awarded: 1.000 €

Funding entity: Universidad del País Vasco

Type of entity: University

Start-End date: 01/01/2018 - 31/12/2019

Duration: 2 years



Participation in conferences with talks focused on teacher training

- 1** **Name of the event:** XXV CUIEET CONGRESO UNIVERSITARIO DE INNOVACION EDUCATIVA EN LAS ENSEÑANZAS
Date of presentation: 05/09/2017
City organizing entity: COMITE ORGANIZADOR XXV CUIEET, INGENIERÍA EN AUTOMOCIÓN EN LA ESCUELA DE INGENIERÍA DE VITORIA-GASTEIZ: UNA EXPERIENCIA DE DISEÑO DE UNA FORMACIÓN DUAL EN COLABORACIÓN CON EMPRESAS. pp. 1053 - 1058. ISBN 978-84-697-6415-2
- 2** **Name of the event:** 7th INTED-INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE
City of event: VALENCIA, Spain
Date of presentation: 04/03/2013
Organising entity: IATED-INTERNATIONAL ASOCIATION OF TECHNOLOGY, EDUCATION AND DEVELOPMENT
ACQUIRING GEAR KNOWLEDGE BY A COMPANY WITH SOUND BACKGROUND IN MACHINING TECHNOLOGY. pp. 87 - 93. ISBN 978-84-616-2661-8
- 3** **Name of the event:** 7th INTED-INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE
City of event: VALENCIA, Spain
Date of presentation: 04/03/2013
Organising entity: IATED-INTERNATIONAL ASOCIATION OF TECHNOLOGY, EDUCATION AND DEVELOPMENT
ON MACHINE TOOL TRAINING FOR MECHANICAL ENGINEERS. pp. 94 - 100. ISBN 978-84-616-2661-8
- 4** **Name of the event:** ICERI- 5th INTERNATIONAL CONFERENCE OF EDUCATION, RESEARCH AND INNOVATION
Type of event: Conference
City of event: MADRID, Spain
Date of presentation: 19/11/2012
Organising entity: IATED-INTERNATIONAL ASOCIATION OF TECHNOLOGY, EDUCATION AND DEVELOPMENT
FROM RESEARCH TO REGULAR LECTURES ON EMERGING MANUFACTURING TECHNOLOGIES. pp. 2523 - 2528. ISBN 978-84-616-0763-1
- 5** **Name of the event:** XX CUIEET-CONGRESO UNIVERSITARIO DE INNOVACION EDUCATIVA EN LAS ENSEÑANZAS
City of event: LAS PALMAS DE GRAN CANARIA, Spain
Date of presentation: 18/07/2012
Organising entity: COMITE ORGANIZADOR XX CUIEET
TRANSFERENCIA DE TECNOLOGIA A TRAVES DE UNA FORMACION ESPECIAL EN MAQUINA HERRAMIENTA Y FABRICACION. pp. 13 - 26. ISBN 978-84-9044-108-4
- 6** **Name of the event:** 6th INTED-INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE
Type of event: Conference
City of event: VALENCIA, Spain
Date of presentation: 05/03/2012



Organising entity: IATED-INTERNATIONAL ASOCIATION OF TECHNOLOGY, EDUCATION AND DEVELOPMENT

TRANSFERENCE OF TECHNOLOGY BY SPECIALIZED FORMATION ON MACHINE TOOLS AND MANUFACTURING PROCESSES. pp. 2760 - 2766. INTERNATIONAL ASOCIATION OF TECHNOLOGY, EDUCATION AND DEVELOPMENT, ISBN 978-84-615-5563-5

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:** Un nuevo enfoque a los procesos sobre superaleaciones
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
Nº of researchers: 9
Type of participation: Team member
Name of the programme: UPV/EHU
Code according to the funding entity: TEC. E ING. MECANICA
Start-End date: 01/06/2017 - 30/05/2021
Total amount: 39.230,12 €
- 2 Name of the project:** Integración del proceso de aporte por láser en Máquinas Herramienta
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): UKAR ARRIEN, ENEKO
Nº of researchers: 3
Type of participation: Team member
Name of the programme: UPV/EHU
Code according to the funding entity: TEC. E ING. MECANICA
Start-End date: 01/07/2016 - 30/06/2020
Total amount: 20.096,61 €
- 3 Name of the project:** Desarrollo integral del proceso de aporte por láser para la fabricación aditiva y reparación de componentes de alto valor añadido
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): LAMIKIZ MENTXAKA, AITZOL
Nº of researchers: 6
Type of participation: Team member
Name of the programme: CE
Code according to the funding entity: MEDICINA PREVENTIVA
Start-End date: 01/01/2017 - 31/12/2019
Total amount: 0 €



- 4** **Name of the project:** Un nuevo enfoque a los procesos de mecanizado y aporte
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 6
Type of participation: Team member
Name of the programme: UPV/EHU
Code according to the funding entity: TEC. E ING. MECANICA
Start-End date: 01/11/2015 - 30/10/2019
Total amount: 69.121,46 €
- 5** **Name of the project:** A Productive, Affordable and Reliable solution for large scale manufacturing of metallic components by combining laser-based ADDitive and Subtractive processes with high Efficiency
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): LAMIKIZ MENTXAKA, AITZOL
N° of researchers: 8
Type of participation: Team member
Name of the programme: CE
Code according to the funding entity: MECANICA
Start-End date: 01/10/2016 - 30/09/2019
Total amount: 486.612,5 €
- 6** **Name of the project:** Máquinas y Procesos Smart a través de la integración del conocimiento y los datos
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 17
Type of participation: Team member
Name of the programme: Gobierno Vasco
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2017 - 31/12/2018
Total amount: 0 €
- 7** **Name of the project:** UTILLAJE INTELIGENTE PARA GRANDES COMPONENTES AEROESTRUCTURALES EN LA INDUSTRIA 4.0
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): GIROT MATA, FRANCK ANDRES
N° of researchers: 9
Type of participation: Team member
Name of the programme: Gobierno Vasco
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2017 - 31/12/2018
Total amount: 0 €



- 8** **Name of the project:** INGENIERIA DE PROCESOS DE FABRICACION AVANZADOS
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 19
Type of participation: Team member
Start-End date: 01/01/2013 - 31/12/2018
Total amount: 252.649 €
- 9** **Name of the project:** MAQUINA OPTICA DE MEDIR POR COORDENADAS
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 19
Type of participation: Team member
Name of the programme: UPV/EHU
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2017 - 31/12/2017
Total amount: 49.875 €
- 10** **Name of the project:** Medios inteligentes y procesos avanzados aplicables a la fabricación de productos de - alto impacto
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 20
Type of participation: Team member
Name of the programme: Gobierno Vasco
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2015 - 31/12/2016
Total amount: 12.420,73 €
- 11** **Name of the project:** Revalorización de materiales optimizados para la fabricación aditiva mediante el desarrollo innovador de medios productivos, sistemas y procesos de fabricación avanzados
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI...): UKAR ARRIEN, ENEKO
N° of researchers: 10
Type of participation: Team member
Name of the programme: Gobierno Vasco
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2015 - 31/12/2016
Total amount: 11.412,53 €
- 12** **Name of the project:** Implantación de una solución para la fabricación y reparación de componentes de turbo maquinaria para propulsión aérea y producción de energía
Entity where project took place: Universidad del País Vasco **Type of entity:** University



City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): LAMIKIZ MENTXAKA, AITZOL
N° of researchers: 9
Type of participation: Team member
Name of the programme: Ministerio de Economía y Competitividad - MINECO
Code according to the funding entity: ING. Y TEC. AERONAUTICAS
Start-End date: 01/01/2014 - 31/12/2016
Total amount: 110.000 €

- 13** **Name of the project:** Investigación en tecnologías de fabricación avanzada en líneas estratégicas para la industria de Euskadi
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 20
Type of participation: Team member
Name of the programme: Gobierno Vasco
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2014 - 31/12/2015
Total amount: 115.660 €

- 14** **Name of the project:** CONTROL ABIERTO PARA CENTRO DE MECANIZADO DE PIEZAS FABRICADAS EN HRSA (HIGH RESISTANT SUPERALLOYS)
Entity where project took place: Universidad del País Vasco **Type of entity:** University
City of entity: Bilbao, Spain
Name principal investigator (PI, Co-PI....): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 8
Type of participation: Team member
Name of the programme: Ministerio de Economía y Competitividad - MINECO
Code according to the funding entity: Ing. y Arq.
Start-End date: 01/01/2013 - 31/12/2015
Sub-project amount: 14.265 €

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

- 1** **Name of the project:** Subcontratación Futuralve 2018: CIEN ¿ FUTURALVE: Tecnologías de Materiales y Fabricación Avanzada para la Nueva Generación de Turbinas de Alta Velocidad
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
N° of researchers: 10
Start date: 01/01/2018 **Duration:** 12 months
Total amount: 98.000 €
- 2** **Name of the project:** AGORA TEKNOCAMP
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): BEITIA RUIZ DE MENDAROSQUETA, MARIA ARANZAZU
N° of researchers: 17
Funding entity or bodies:



DIPUTACIÓN FORAL DE ALAVA

Start date: 26/06/2017**Total amount:** 8.354,71 €

- 3** **Name of the project:** SUBCONTRATACIÓN PROYECTO FUTURALVE 2017: FUTURALVE: Tecnologías de Materiales y Fabricación Avanzada para la Nueva Generación de Turbinas de Alta Velocidad.
PEDIDO:3200046492
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
Nº of researchers: 7
Start date: 01/01/2017 **Duration:** 12 months
Total amount: 92.000 €
- 4** **Name of the project:** Futuralve Metalúrgica Marina 2016
Degree of contribution: Researcher
Nº of researchers: 4
Start date: 01/11/2016 **Duration:** 12 months
Total amount: 30.000 €
- 5** **Name of the project:** Desarrollos en torno a la tecnología Laser Cladding para su integración en una máquina híbrida de Fabricación Aditiva (IN) y Mecanizado Convencional (OUT) (IN&OUT)
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
Nº of researchers: 7
Funding entity or bodies:
INDUSTRIA TURBO PROPULSORES, S.A. - ITP
Start date: 01/02/2016 **Duration:** 11 months
Total amount: 92.000 €
- 6** **Name of the project:** Desarrollos en torno a la tecnología Laser Cladding para su integración en una máquina híbrida de Fabricación Aditiva (IN) y Mecanizado Convencional (OUT) (IN&OUT - 2016)
Degree of contribution: Researcher
Nº of researchers: 4
Start date: 01/01/2016 **Duration:** 12 months
Total amount: 40.000 €
- 7** **Name of the project:** CENIT FUTUvalve 2015 Sariki Subcontratación
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
Nº of researchers: 4
Funding entity or bodies:
Metrologia Sariki S.A.
Start date: 01/07/2015 **Duration:** 6 months
Total amount: 20.500 €
- 8** **Name of the project:** Pedido:3200036977 Subc:60700002 Cenit FUTURALVE ITP 2015
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI...): LOPEZ DE LA CALLE MARCAIDE, LUIS NORBERTO
Nº of researchers: 5
Funding entity or bodies:

INDUSTRIA TURBO PROPULSORES, S.A. - ITP
City funding entity: Bilbao, Spain

Start date: 01/07/2015
Total amount: 20.000 €

Duration: 6 months

9 **Name of the project:** Desarrollos en torno a la tecnología Laser Cladding para su integración en una máquina híbrida de Fabricación Aditiva (IN) y Mecanizado Convencional (OUT) (IN&OUT)

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI...): LAMIKIZ MENTXAKA, AITZOL

Nº of researchers: 3

Funding entity or bodies:

IBARMIA INNOVATEK, S.L.U.

Start date: 01/06/2015
Total amount: 20.000 €

Duration: 7 months

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 M. Cortina; J. I. Arrizubieta; A. Calleja; E. Ukar; A. Alberdi. Case Study to Illustrate the Potential of Conformal Cooling Channels for Hot Stamping Dies Manufactured Using Hybrid Process of Laser Metal Deposition (LMD) and Milling. METALS. 8 - 102, MDPI, 2018. ISSN 2075-4701

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: METALLURGY&METALLURGICAL ENGINEERING

Impact index in year of publication: 1.984

Journal in the top 25%: Yes

Position of publication: 17

No. of journals in the cat.: 74

2 H. Gonzalez; O. Pereira; Asier Fernández Valdivielso; L.N. Lopez de Lacalle; A. Calleja. Comparison of Flank Super Abrasive Machining vs. Flank Milling on Inconel® 718 Surfaces. Materials. 11, pp. 1638. MDPI, 2018. ISSN 2075-4701

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Materials Science (miscellaneous)

Impact index in year of publication: 2.467

Journal in the top 25%: No

Position of publication: 111

No. of journals in the cat.: 285

3 A. Alvarez; A. Calleja; N. Ortega; L. N. Lopez de Lacalle. Five-Axis Milling of Large Spiral Bevel Gears: Toolpath Definition, Finishing, and Shape Errors. METALS. MDPI, 2018. ISSN 2075-4701

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: METALLURGY&METALLURGICAL ENGINEERING

Impact index in year of publication: 1.984

Journal in the top 25%: Yes

Position of publication: 17

No. of journals in the cat.: 74



- 4** A. Calleja; P. Bo; H.Gonzalez; M. Barton; L.N. Lopez de Lacalle. Highly accurate 5-axis flank CNC machining with conical tools. INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. SPRINGER, 2018. ISSN 0268-3768
Type of production: Scientific paper **Format:** Journal
- 5** Aitor Beranoagirre; Gorka Urbikain; A. Calleja; L.N. Lopez de Lacalle. Hole Making by Electrical Discharge Machining (EDM) of -TiAl Intermetallic Alloys. Metals. 8 - 24, MDPI, 2018. ISSN 2075-4701
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** METALLURGY&METALLURGICAL ENGINEERING
Impact index in year of publication: 1.984 **Journal in the top 25%:** Yes
Position of publication: 17 **No. of journals in the cat.:** 74
- 6** A. Calleja; G. Urbikain; H. Gonzalez; I. Cerrillo; R. Polvorosa; A. Lamikiz. Inconel®718 superalloy machinability evaluation after laser cladding additive manufacturing process. The International Journal of Advanced Manufacturing Technology. SPRINGER, 2018. ISSN 0268-3768
Type of production: Scientific paper **Format:** Journal
- 7** Alvaro Alvarez; A. Calleja; Mikel Arizmendi; H. Gonzalez; L.N. Lopez de Lacalle. Spiral Bevel Gears Face Roughness Prediction Produced by CNC End Milling Centers. Materials. 11, pp. 1301. MDPI, 2018. ISSN 2075-4701
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Materials Science (miscellaneous)
Impact index in year of publication: 2.467 **Journal in the top 25%:** No
Position of publication: 111 **No. of journals in the cat.:** 285
- 8** H. Gonzalez; A. Calleja; O. Pereira; N. Ortega; L.N. Lopez de Lacalle; M. Barton. Super Abrasive Machining of Integral Rotary Components Using Grinding Flank Tools. Metals. 8 - 24, MDPI, 2018. ISSN 2075-4701
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** METALLURGY&METALLURGICAL ENGINEERING
Impact index in year of publication: 1.984 **Journal in the top 25%:** Yes
Position of publication: 17 **No. of journals in the cat.:** 74
- 9** S.Martinez; A. Lamikiz; E. Ukar; A Calleja; J.I. Arrizubieta; L.N.Lopez de Lacalle. Analysis of the regimes in the scanner-based laser hardening process. OPTICS AND LASERS IN ENGINEERING. 90, pp. 72 - 80. ELSEVIER, 2017. ISSN 0143-8166
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** OPTICS
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 23 **No. of journals in the cat.:** 92
- 10** H. Gonzalez; I. Arrizubieta; A. Calleja; J. E. Ruiz; A. Lamikiz. CAM development for additive manufacturing in turbo-machinery components. PROCEDIA ENGINEERING. 13, pp. 802 - 809. ELSEVIER, 2017. ISSN 1877-7058
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Engineering
Impact index in year of publication: 0.74 **No. of journals in the cat.:** 266
Position of publication: 108



- 11** O. Pereira; G. Urbikain; A. Rodriguez; A. Fernandez; A. Calleja; I. Ayesta; L. N. Lopez de Lacalle. INTERNAL CRYOLUBRICATION APPROACH FOR INCONEL 718 MILLING. PROCEDIA ENGINEERING. 13, pp. 802 - 809. ELSEVIER, 2017. ISSN 1877-7058
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Engineering
Impact index in year of publication: 0.74
Position of publication: 108 **No. of journals in the cat.:** 266
- 12** A. Calleja; H. Gonzalez; R.Polvorosa; L.N.Lopez de Lacalle. MULTITASKING MACHINES: EVOLUTION, RESOURCES, PROCESSES AND SCHEDULING. DYNA. 92, pp. 637 - 642. Publicaciones DYNA, 2017. ISSN 0012-7361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** ENGINEERING MULTIDISCIPLINARY
Impact index in year of publication: 0.541
Position of publication: 70 **No. of journals in the cat.:** 85
- 13** O.Pereira; J.E. Martin-Alonso; A. Rodriguez; A. Calleja; A. Fernandez; L.N. Lopez de Lacalle. Sustainability analysis of lubricant oils for minimum quantity lubrication based on their tribo-rheological performance. JOURNAL OF CLEANER PRODUCTION. 164, pp. 1419 - 1429. 2017. ISSN 0959-6526
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** ENGINEERING ENVIRONMENTAL
Impact index in year of publication: 5.715 **Journal in the top 25%:** Yes
Position of publication: 6 **No. of journals in the cat.:** 49
- 14** Exequiel Ruiz; H. Gonzalez; A. Calleja; Eneko Ukar; Aitzol Lamikiz. TURBO ENGINE COMPONENTS REPAIR METHODOLOGY BY LASER MATERIAL DEPOSITION. DYNA. 93 - 6, pp. 643 - 648. Publicaciones DYNA, 2017. ISSN 0012-7361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** ENGINEERING MULTIDISCIPLINARY
Impact index in year of publication: 0.541
Position of publication: 70 **No. of journals in the cat.:** 85
- 15** E. Artetxe; H. Gonzalez; A. Calleja; A. Fernandez; R. Polvorosa; A. Lamikiz; L. N. Lopez de Lacalle. Optimised methodology for aircraft engine IBRs five-axis machining process. INTERNATIONAL JOURNAL OF MECHATRONICS AND MANUFACTURING SYSTEMS. 9 - 4, pp. 385 - 401. INDERSCIENCE PUBLISHERS, 2016. ISSN 1753-1039
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Mechanical Engineering
Impact index in year of publication: 0.44
Position of publication: 356 **No. of journals in the cat.:** 526
- 16** A. Calleja; M. A. Alonso; A. Fernandez; I. Taberero; I. Ayesta; A. Lamikiz; L.N. Lopez de Lacalle. FLANK MILLING MODEL FOR TOOL PATH PROGRAMMING OF TURBINE BLISKS AND COMPRESSORS. INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH. 53, pp. 3354 - 3369. TAYLOR&FRANCIS, 2015. ISSN 0020-7543
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** ENGINEERING INDUSTRIAL
Impact index in year of publication: 1.693
Position of publication: 15 **No. of journals in the cat.:** 44



- 17** A. Calleja; A. Fernandez; A. Rodriguez; A. Lamikiz; L.N. Lopez de Lacalle. TURN-MILLING OF BLADES IN TURNING CENTRES AND MULTITASKING MACHINES CONTROLLING TILT ANGLE. PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE. 229 - 8, pp. 1324 - 1336. SAGE PUBLICATIONS, 2015. ISSN 0954-4054
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** ENGINEERING MECHANICAL
Impact index in year of publication: 0.978
Position of publication: 79 **No. of journals in the cat.:** 132
- 18** A. Calleja; I. Tabernero; J. A. Ealo; F.J. Campa; A. Lamikiz; L.N. Lopez de Lacalle. FEED RATE CALCULATION ALGORITHM FOR THE HOMOGENOUS MATERIAL DEPOSITION OF BLISK BLADES BY 5-AXIS LASER CLADDING. INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. 74, pp. 1219 - 1228. SPRINGER, 2014. ISSN 0268-3768
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Engineering Manufacturing
Impact index in year of publication: 1.458
Position of publication: 28 **No. of journals in the cat.:** 58
- 19** Amaia Calleja Ochoa; Iván Tabernero Campos; Ainhoa Celaya; Aitzol Lamikiz Mentxaka; Luis Norberto López de Lacalle Marcaide; Asier Fernández Valdivielso. IMPROVEMENT OF STRATEGIES AND PARAMETERS FOR MULTI-AXIS LASER CLADDING OPERATIONS. OPTICS AND LASERS IN ENGINEERING. 56 - 3, pp. 113 - 120. ELSEVIER, 2014. ISSN 0143-8166
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI **Category:** Optics
Impact index in year of publication: 2.237 **Journal in the top 25%:** Yes
Position of publication: 21 **No. of journals in the cat.:** 87
- 20** I. Tabernero; A. Calleja; A. Lamikiz; L. N. Lopez de Lacalle. A METHODOLOGY FOR PROCESS PARAMETER SELECTION IN 5 AXIS LASER CLADDING. INTERNATIONAL JOURNAL OF MECHATRONICS AND MANUFACTURING SYSTEMS. 7, pp. 82 - 92. INDERSCIENCE PUBLISHERS, 2013. ISSN 1753-1039
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Mechanical Engineering
Impact index in year of publication: 0.26
Position of publication: 378 **No. of journals in the cat.:** 505
- 21** I. Tabernero; A. Calleja; A. Lamikiz; L. N. Lopez de Lacalle. OPTIMAL PARAMETERS FOR 5-AXIS LASER CLADDING. PROCEDIA ENGINEERING. 63, pp. 45 - 52. ELSEVIER, 2013. ISSN 1877-7058
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Engineering
Impact index in year of publication: 0.40
Position of publication: 130 **No. of journals in the cat.:** 252



- 22** ESTIBALIZ DIAZ; URKO UGALDE; LUIS NORBERTO LOPEZ DE LACALLE; AINHOA DE LA IGLESIA; AMAIA CALLEJA; AITZOL LAMIKIZ. PROPAGATION OF ASSEMBLY ERRORS IN MULTITASKING MACHINES BY THE HOMOGENOUS MATRIX METHOD. INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. 38, pp. 149 - 164. SPRINGER, 2013. ISSN 0268-3768
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Engineering Manufacturing
Impact index in year of publication: 1.779
Position of publication: 10 **No. of journals in the cat.:** 39
- 23** A. Calleja; A. Fernandez; F. J. Campa; A. Lamikiz; L. N. Lopez de Lacalle. RELIABLE MANUFACTURING PROCESS IN TURBINE BLISK AND COMPRESSORS. PROCEDIA ENGINEERING. 63, pp. 60 - 66. ELSEVIER, 2013. ISSN 1877-7058
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Engineering
Impact index in year of publication: 0.40
Position of publication: 130 **No. of journals in the cat.:** 252
- 24** A. Fernandez; G. Urbikain; A. Rodriguez; A. Calleja; L. N. Lopez de Lacalle. MECHANISTIC MODEL FOR HIGH SPEED TURNING OF AUSTEMPERED DUCTILE IRONS. ADVANCED MATERIALS RESEARCH. 498, pp. 163 - 168. 2012. ISSN 1022-6680
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Engineering
Impact index in year of publication: 0.12
Position of publication: 205 **No. of journals in the cat.:** 245
- 25** Adrián Rodríguez; Luis Norberto López de Lacalle; Amaia Calleja; Asier Fernández; Aitzol Lamikiz. Maximal reduction of steps for iron casting one-of-a-kind parts. JOURNAL OF CLEANER PRODUCTION. 24, pp. 48 - 55. ELSEVIER, 2012. ISSN 0959-6526
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Engineering environmental
Impact index in year of publication: 3.398 **Journal in the top 25%:** Yes
Position of publication: 8 **No. of journals in the cat.:** 42
- 26** A. Rodriguez; A. Calleja; D. Olvera; L. N. Lopez de Lacalle. RAPID REPRODUCTION OF UNIQUE PARTS BY SAND BLOCK MILLING. ADVANCED MATERIALS RESEARCH. 498, pp. 207 - 212. TRANS TECH PUBLICATIONS, 2012. ISSN 1022-6680
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Engineering
Impact index in year of publication: 0.12
Position of publication: 205 **No. of journals in the cat.:** 245
- 27** A. Rodriguez; A. Calleja; D. Olvera; J. Peñafiel; L. N. Lopez de Lacalle. SAND MOULDS MILLING FOR ONE-OF-A-KIND-PIECES. AIP CONFERENCE PROCEEDINGS. 1431, pp. 479 - 485. 2012. ISSN 1551-7616
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** General Physics and Astronomy
Impact index in year of publication: 0.14
Position of publication: 170 **No. of journals in the cat.:** 184

Works submitted to national or international conferences

- 1** **Title of the work:** Global approach to IBR manufacturing process with Super Abrasive Machining
Name of the conference: INTERNATIONAL CONFERENCE ON HIGH SPEED MACHINING-HSM
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: SAN SEBASTIAN, Spain
Date of event: 17/04/2018
End date: 17/04/2018
Organising entity: TEKNIKER, PARIS TECH, PTW, RCMT, MU AA CHINA
City organizing entity: SAN SEBASTIAN, Spain
Type of contribution: Scientific paper
H. Gonzalez; A. Calleja; O. Pereira; N. Ortega; M. Barton; L. N. Lopez de Lacalle.
- 2** **Title of the work:** Digital twin of the LMD process: CAM and process virtualization
Name of the conference: IOSTM 2018. INTERNATIONAL CONFERENCE ON INDUSTRIAL INTERNET OF THINGS AND SMART MANUFACTURING
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: LONDON, United Kingdom
Date of event: 01/03/2018
End date: 01/03/2018
City organizing entity: LONDON, United Kingdom
Type of contribution: Scientific paper
H. Gonzalez; A. Calleja; J. E. Ruiz; A. Lamikiz.
- 3** **Title of the work:** Metal removal rating improvement in Inconel 718 by using cryogenics cooling
Name of the conference: International scientific-practical conference of young scientists, graduate students and students
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Russia
Date of event: 12/12/2017
End date: 12/12/2017
Organising entity: Ministry of Education and Science of the Russian Federation Perm National Research Polytechnic University
City organizing entity: Russia
Type of contribution: Scientific paper
H. Gonzalez; O. Pereira; A. Calleja; L. N. Lopez de Lacalle.
- 4** **Title of the work:** SUPER ABRASIVE MACHINING TECHNOLOGY FOR MANUFACTURING TURBOMACHINERY ROTARY COMPONENTS
Name of the conference: International scientific-practical conference of young scientists, graduate students and students
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: Russia
Date of event: 12/12/2017
End date: 12/12/2017



Organising entity: Ministry of Education and Science of the Russian Federation Perm National Research Polytechnic University

City organizing entity: Russia

Type of contribution: Scientific paper

H. Gonzalez; A. Calleja; O. Pereira; L. N. Lopez de Lacalle.

5 Title of the work: COMPONENTES DE TURBOMAQUINARIA MEDIANTE MECANIZADO SÚPER ABRASIVO: ENFOQUE GLOBAL

Name of the conference: CONGRESO DE MAQUINA-HERRAMIENTA Y TECNOLOGIAS DE FABRICACION-INVEMA

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: SAN SEBASTIAN, Spain

Date of event: 25/10/2017

End date: 25/10/2017

Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM

City organizing entity: SAN SEBASTIAN, Spain

Type of contribution: Scientific paper

H. Gonzalez; A. Calleja; H. Bravo; N. Ortega; L. N. Lopez de Lacalle.

6 Title of the work: FABRICACIÓN DE COMPONENTES DE PRÓTESIS DE RODILLA MEDIANTE LUBRICACIÓN CON CO2

Name of the conference: CONGRESO DE MAQUINA-HERRAMIENTA Y TECNOLOGIAS DE FABRICACION-INVEMA

Type of event: Conference

Geographical area: National

Type of participation: Participatory - poster

City of event: SAN SEBASTIAN, Spain

Date of event: 25/10/2017

End date: 25/10/2017

Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM

City organizing entity: SAN SEBASTIAN, Spain

Type of contribution: Scientific paper

A. Calleja; O. Pereira; H. Gonzalez; A. Rodriguez; L. N. Lopez de Lacalle.

7 Title of the work: MECANIZADO DE UN COMPONENTE TIP 'RIB' DEL ALA DE UNA AERONAVE NO TRIPULADA MEDIANTE REFRIGERACIÓN CRIOGÉNICA

Name of the conference: CONGRESO DE MAQUINA-HERRAMIENTA Y TECNOLOGIAS DE FABRICACION-INVEMA

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: SAN SEBASTIAN, Spain

Date of event: 25/10/2017

End date: 25/10/2017

Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM

City organizing entity: SAN SEBASTIAN, Spain

Type of contribution: Scientific paper

O. Pereira; H. Gonzalez; A. Calleja; F. J. Campa; A. Rodriguez; L. N. Lopez de Lacalle.

8 Title of the work: MECANIZADO DE UN ENGRANAJE ESPIROCÓNICO EN MÁQUINA MULTIPROCESO. PREDICCIÓN DE LA RUGOSIDAD

Name of the conference: CONGRESO DE MAQUINA-HERRAMIENTA Y TECNOLOGIAS DE FABRICACION-INVEMA



Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: SAN SEBASTIAN, Spain
Date of event: 25/10/2017
End date: 25/10/2017
Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM
City organizing entity: SAN SEBASTIAN, Spain
Type of contribution: Scientific paper
A. Alvarez; A. Calleja; M. Arizmendi; L. N. Lopez de Lacalle.

9 Title of the work: CAM APLICADO A LA FABRICACIÓN ADITIVA DE UN BLADE EN 5 EJES DE INCONEL 718

Name of the conference: 13º CONGRESO IBEROAMERICANO DE INGENIERIA MECANICA
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: LISBOA, Portugal
Date of event: 23/10/2017
End date: 23/10/2017
City organizing entity: LISBOA, Portugal
Type of contribution: Scientific paper
H. Gonzalez; A. Calleja; M. A. Renderos; J. E. Ruiz; L. N. Lopez de Lacalle. 23/10/2017.

10 Title of the work: CAM development for Additive Manufacturing in turbomachinery components

Name of the conference: MANUFACTURING ENGINEERING SOCIETY INTERNATIONAL CONFERENCE
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: VIGO, Spain
Date of event: 30/06/2017
End date: 30/06/2017
Organising entity: MANUFACTURING ENGINEERING SOCIETY
City organizing entity: VIGO, Spain
Type of contribution: Scientific paper
H. Gonzalez; J. I. Arrizubieta; A. Calleja; J. E. Ruiz; A. Lamikiz.

11 Title of the work: Internal Cryolubrication approach for Inconel 718 milling

Name of the conference: MANUFACTURING ENGINEERING SOCIETY INTERNATIONAL CONFERENCE
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: VIGO, Spain
Date of event: 30/06/2017
End date: 30/06/2017
Organising entity: MANUFACTURING ENGINEERING SOCIETY
City organizing entity: VIGO, Spain
Type of contribution: Scientific paper
O. Pereira; G. Urbikain; A. Rodriguez; A. Fernandez; A. Calleja; I. Ayesta; L. N. Lopez de Lacalle.

12 Title of the work: Caracterización del proceso de rebabado automático con turbinas neumáticas

Name of the conference: CONGRESO NACIONAL DE INGENIERIA MECANICA-CNIM
Type of event: Conference **Geographical area:** National



Type of participation: 'Participatory - poster

City of event: ELCHE, Spain

Date of event: 09/11/2016

End date: 09/11/2016

Organising entity: OCIEDAD DE INGENIERIA MECANICA

City organizing entity: ELCHE, Spain

Type of contribution: Scientific paper

J. J. San Martin; A. Rodriguez; A. Fernandez; O. Pereira; A. Calleja; L. N. Lopez de Lacalle.

13 Title of the work: Solución combinada para la fabricación y reparación de turbocomponentes

Name of the conference: CONGRESO NACIONAL DE INGENIERIA MECANICA-CNIM

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: ELCHE, Spain

Date of event: 09/11/2016

End date: 09/11/2016

Organising entity: SOCIEDAD DE INGENIERIA MECANICA

City organizing entity: ELCHE, Spain

Type of contribution: Scientific paper

E. Artetxe; A. Calleja; H. Gonzalez; A. Lamikiz; L. N. Lopez de Lacalle.

14 Title of the work: FABRICACIÓN Y REPARACIÓN DE TURBINAS MEDIANTE APOORTE LÁSER EN 5 EJES

Name of the conference: CONGRESO DE MAQUINA-HERRAMIENTA Y TECNOLOGIAS DE FABRICACION-INVEMA

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: SAN SEBASTIAN, Spain

Date of event: 10/06/2015

End date: 10/06/2015

Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM

City organizing entity: SAN SEBASTIAN, Spain

Type of contribution: Scientific paper

A. Calleja; I. Taberero; A. Lamikiz; L. N. Lopez de Lacalle.

15 Title of the work: UN PROCESO ROBUSTO PARA EL MECANIZADO EN CINCO EJES DE ROTORES DE ÁLABES INTEGRADOS DE MOTOR AERONÁUTICO

Name of the conference: CONGRESO DE MAQUINA-HERRAMIENTA Y TECNOLOGIAS DE FABRICACION-INVEMA

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: SAN SEBASTIAN, Spain

Date of event: 10/06/2015

End date: 10/06/2015

Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM

City organizing entity: SAN SEBASTIAN, Spain

Type of contribution: Scientific paper

E. Artetxe; A. Fernandez; A. Calleja; G. Urikain; I. Taberero; A. Lamikiz; L. N. Lopez de Lacalle; R. Gonzalez; I. Zamakona.



- 16** **Title of the work:** OPTIMAL PARAMETERS FOR 5-AXIS LASER CLADDING
Name of the conference: MANUFACTURING ENGINEERING SOCIETY INTERNATIONAL CONFERENCE
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: ZARAGOZA, Spain
Date of event: 26/06/2013
End date: 26/06/2013
Organising entity: MANUFACTURING ENGINEERING SOCIETY
City organizing entity: ZARAGOZA, Spain
Type of contribution: Scientific paper
A. Calleja; I. Taberero; A. Lamikiz; L. N. Lopez de Lacalle.
- 17** **Title of the work:** Reliable Manufacturing Process in Turbine Blisks and Compressors
Name of the conference: MANUFACTURING ENGINEERING SOCIETY INTERNATIONAL CONFERENCE
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: ZARAGOZA, Spain
Date of event: 26/06/2013
End date: 26/06/2013
Organising entity: MANUFACTURING ENGINEERING SOCIETY
City organizing entity: ZARAGOZA, Spain
Type of contribution: Scientific paper
A. Calleja; A. Fernandez; F. J. Campa; A. Lamikiz; L. N. Lopez de Lacalle.
- 18** **Title of the work:** INTEGRACION DE PROCESOS MULTITAREA EN LA PRODUCCION DE ALABES
Name of the conference: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: SAN SEBASTIAN, Spain
Date of event: 20/06/2013
End date: 20/06/2013
Organising entity: ASOCIACION DE FABRICANTES DE MAQUINA HERRAMIENTA-AFM
City organizing entity: SAN SEBASTIAN, Spain
Type of contribution: Scientific paper
A. Calleja; A. Fernandez; A. Rodriguez; A. Lamikiz; L. N. Lopez de Lacalle.
- 19** **Title of the work:** ADAPTADORES TRIGONALES PARA MAQUINAS MULTITAREA FABRICADOS EN MAQUINAS MULTITAREA
Name of the conference: CONGRESO NACIONAL DE INGENIERIA MECANICA-CNIM
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: CASTELLON, Spain
Date of event: 14/11/2012
End date: 14/11/2012
Organising entity: SOCIEDAD DE INGENIERIA MECANICA
City organizing entity: CASTELLON, Spain
Type of contribution: Scientific paper



A. Calleja; A. Fernandez; L. N. Lopez de Lacalle.

- 20** **Title of the work:** ANALISIS DE LOS REQUISITOS DINAMICOS DEL FRESADO TANGENCIAL DE IMPELLERS
Name of the conference: CONGRESO NACIONAL DE INGENIERIA MECANICA-CNIM
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: CASTELLON, Spain
Date of event: 14/11/2012
End date: 14/11/2012
Organising entity: SOCIEDAD DE INGENIERIA MECANICA
City organizing entity: CASTELLON, Spain
Type of contribution: Scientific paper
F. J. Campa; O. Altuzarra; C. Roldan; A. Calleja.
- 21** **Title of the work:** FABRICACION DE PIEZAS INTEGRALES DE TURBINA MEDIANTE MECANIZADO EN 5 EJES
Name of the conference: CONGRESO NACIONAL DE INGENIERIA MECANICA-CNIM
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: CASTELLON, Spain
Date of event: 14/11/2012
End date: 14/11/2012
Organising entity: SOCIEDAD DE INGENIERIA MECANICA
City organizing entity: CASTELLON, Spain
Type of contribution: Scientific paper
A. Fernandez; A. Calleja; E. Artetxe; R. Gonzalez; I. Zamakona; A. Lamikiz.
- 22** **Title of the work:** GENERACION DE PIEZAS DE ALTO VALOR AÑADIDO MEDIANTE APOORTE LASER DE MATERIAL EN 5 EJES
Name of the conference: CONGRESO NACIONAL DE INGENIERIA MECANICA-CNIM
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: CASTELLON, Spain
Date of event: 14/11/2012
End date: 14/11/2012
Organising entity: SOCIEDAD DE INGENIERIA MECANICA
City organizing entity: CASTELLON, Spain
Type of contribution: Scientific paper
I. Tabernero; A. Calleja; E. Ukar; L. N. Lopez de Lacalle.
- 23** **Title of the work:** A GENERAL APPROACH FOR RAPID MANUFACTURING OF PRECISE SCULPTURED PARTS BY HYBRID TECHNOLOGY
Name of the conference: INTERNATIONAL CONFERENCE ON HIGH SPEED MACHINING-HSM
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Representing
Corresponding author: Yes
City of event: SAN SEBASTIAN, Spain
Date of event: 07/03/2012
End date: 07/03/2012



Organising entity: TEKNIKER, PARIS TECH, PTW, RCMT, MU AA CHINA

City organizing entity: SAN SEBASTIAN, Spain

With external admission assessment committee: Yes

Type of contribution: Scientific paper

A. Calleja; I. Taberero; A. Fernandez; A. Rodriguez; A. Lamikiz; L. N. Lopez de Lacalle. "9th International Conference on HIGH SPEED MACHINING". En: 9th International Conference on HIGH SPEED MACHINING. pp. 324 - 328. 07/03/2012.

ISBM: 978-84-832064-6-8

24 Title of the work: CUTTING FORCES ON DRY HIGH SPEED TURNING OF AUSTEMPERED DUCTILE IRONS

Name of the conference: MANUFACTURING ENGINEERING SOCIETY INTERNATIONAL CONFERENCE

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: CADIZ, Spain

Date of event: 21/09/2011

End date: 21/09/2011

Organising entity: MANUFACTURING ENGINEERING SOCIETY

City organizing entity: CADIZ, Spain

Type of contribution: Scientific paper

A. Fernandez; G. Urbikain; A. Rodriguez; A. Calleja; L. N. Lopez de Lacalle. 21/09/2011.

25 Title of the work: SAND MOULDS MILLING FOR ONLY OF A CLASS PIECES

Name of the conference: MANUFACTURING ENGINEERING SOCIETY INTERNATIONAL CONFERENCE

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: CADIZ, Spain

Date of event: 21/09/2011

End date: 21/09/2011

Organising entity: MANUFACTURING ENGINEERING SOCIETY

City organizing entity: CADIZ, Spain

Type of contribution: Scientific paper

A. Rodriguez; A. Calleja; D. Olvera; F. J. Peñafiel; L. N. Lopez de Lacalle. 21/09/2011.

26 Title of the work: FLEXIBLE ABRASIVE TOOLS FOR HIGH FINISHING SUPER ALLOYS

Name of the conference: INTERNATIONAL CONFERENCE ON ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES-AMPT

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

City of event: ESTAMBUL, Turkey

Date of event: 13/07/2011

End date: 13/07/2011

Organising entity: YILDIZ TECHNICAL UNIVERSITY

City organizing entity: ESTAMBUL, Turkey

Type of contribution: Scientific paper

A. Rodriguez; L. N. Lopez de Lacalle; A. Fernandez; A. Calleja.



- 27** **Title of the work:** MACHINING COMPLEX SHAPES ON SAND BLOCKS
Name of the conference: INTERNATIONAL CONFERENCE ON ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES-AMPT
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication
City of event: ESTAMBUL, Turkey
Date of event: 13/07/2011
End date: 13/07/2011
Organising entity: YILDIZ TECHNICAL UNIVERSITY
City organizing entity: ESTAMBUL, Turkey
Type of contribution: Scientific paper
A. Rodriguez; L. N. Lopez de Lacalle; A. Calleja; A. Fernandez; F. Girot.
- 28** **Title of the work:** VIRTUAL SIMULATION OF TURN-MILLING OPERATIONS IN MULTITASKING MACHINES
Name of the conference: THE 22ND INTERNATIONAL DAAAM SYMPOSIUM/5TH EUROPEAN DAAM INTERNATIONAL YOUNG RESEARCHERS AND SCIENTISTS CONFERENCE
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - others **Reasons for participation:** Representing
Corresponding author: Yes
City of event: VIEN, Austria
Date of event: 2011
End date: 2011
Organising entity: DAAAM INTERNATIONAL VIEN **Type of entity:** Associations and Groups
INTERNATIONAL ACADEMY OF ENGINEERING
VIENNA UNIVERSITY OF TECHNOLOGY,
UNIVERSITY APPLIED SCIENCES TEKNIKUM
VIENNA AND AUSTRIAN SOCIETY OF ENGINEERS
AND ARCHITECTS
City organizing entity: VIEN, Austria
With external admission assessment committee: Yes
Type of contribution: Scientific paper
A. Calleja; A. Fernandez; L. N. Lopez de Lacalle; J. T. Fernandez. "Annals of daaam for 2011&proceedings".
En: Annals of daaam for 2011&proceedings. pp. 1235 - 1236. DAAAM INTERNATIONAL PUBLICATIONS
BRANKO KATALINI, 2011. ISBN 978-3-901509-86-5
- 29** **Title of the work:** TOOL DEFLECTION ON PERIPHERAL MILLING
Name of the conference: DURANEA DE JOS
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: GALATY, Romania
Date of event: 10/05/2009
End date: 10/05/2009
Organising entity: UNIVERSITY OF GALATY **Type of entity:** University
City organizing entity: GALATY, Romania
With external admission assessment committee: Yes
Type of contribution: Scientific paper
F. J. Campa; L. N. Lopez de Lacalle; A. Lamikiz; E. Bilbao; A. Calleja; J. Peñafiel. En: The Annals
of 'Duranea de Jos' University Galati Fascicle V Technologies in Machine Building. pp. 169 - 174.
NEWTECH 2009, 10/05/2009. ISSN 1221-4566

Other dissemination activities

- 1** **Title of the work:** CAM Y MODELOS, LO QUE EL FUTURO NOS PUEDE PEDIR
Type: Popular science article
A. Calleja; G. Urbikain; A. Rodriguez; A. Fernandez; A. Alvarez; A. Ruiz; A. Lamikiz; L. N. Lopez de Lacalle. En: TECNICA Y TECNOLOGIA. 30, pp. 10 - 15. NOVA AGORA, 2015. ISSN 2014-8305
- 2** **Title of the work:** Componentes de turbomaquinaria mediante mecanizado súper abrasivo: enfoque global
Type: Popular science article
H. Gonzalez; A. Calleja; N. Ortega; M. Barton; L. N. Lopez de Lacalle. En: TECNICA Y TECNOLOGIA. 66 - 12, pp. 16 - 20. NOVA AGORA, 2017. ISSN 2014-8305
- 3** **Title of the work:** EMO HANNOVER MEJORANDO LO PRESENTE
Type: Popular science article
A. Calleja; A. Fernandez; A. Rodriguez; A. Lamikiz; L. N. Lopez de Lacalle. En: IMHE. 402, pp. 34 - 41. IZARO, 2013. ISSN 0210-1777
- 4** **Title of the work:** EMO MILANO 2015:MAQUINAS EN EL 4.0
Type: Popular science article
G. Urbikain; A. Fernandez; A. Calleja; H. Gonzalez; S. Martinez; I. Arrizubieta; I. Ayesta; A. Alvarez; E. Ukar. En: IMHE. 422, pp. 40 - 46. IZARO, 2015. ISSN 0210-1777
- 5** **Title of the work:** EMO-CION 2011
Type: Popular science article
A. Fernandez; A. Calleja; A. Rodriguez; S. Martinez; I. Tabernero. En: IMHE. 384, pp. 332 - 44. IZARO, 2011. ISSN 0210-1777
- 6** **Title of the work:** ESPECIAL POST-BIEMH PIENSA EN GRANDE Y SE OPTIMISTA
Type: Popular science article
A. Rodriguez; E. Ukar; A. Calleja; A. Fernandez; A. Ayesta; G. Urbikain. En: IMHE. 409, pp. 31 - 36. IZARO, 2014. ISSN 0210-1777
- 7** **Title of the work:** Ebaketa erremintaren tenperaturak neurtzeko tornuko ebaketa eten bidezko fresaketaren simulazioa
Type: Popular science book
O. Pereira; A. Martinez; I. Ansoategui; I. Ganzarain; A. Calleja. En: EKAIA. 32, pp. 151 - 166. UPV/EHU, 2017. ISSN 0214-9001
- 8** **Title of the work:** Engranajes en máquinas de propósito general de 5 ejes
Type: Popular science book
A. Fernandez; A. Rodriguez; A. Calleja; G. Urbikain; E. Artetxe. En: TECNICA Y TECNOLOGIA. 36, pp. 24 - 31. NOVA AGORA, 2015. ISSN 2014-8305
- 9** **Title of the work:** HAY VALOR EN LO DIFICIL
Type: Popular science article
A. Fernandez; A. Rodriguez; A. Calleja. En: IMHE. 392, pp. 36 - 42. IZARO, 2012. ISSN 0210-1777



- 10 Title of the work:** I+D EN PROCESOS DE FABRICACION ¿HACIA DONDE SE DIRIGEN LOS ESFUERZOS?
Type: Popular science article
A. Rodriguez; A. Fernandez; A. Calleja; D. Olvera; L. N. Lopez de Lacalle. En: IMHE. 385, pp. 20 - 29. IZARO, 2011. ISSN 0210-1777
- 11 Title of the work:** INTEGRACION DE PROCESOS MULTITAREA PARA LA PRODUCCION DE ALABES
Type: Popular science article
A. Calleja; A. Fernandez; A. Rodriguez; A. Lamikiz; L. N. Lopez de Lacalle. En: TECNICA Y TECNOLOGIA. 11, pp. 24 - 30. NOVA AGORA, 2013. ISSN 2014-8305
- 12 Title of the work:** LA MEJORA EN EL DIA A DIA, CLAVE PARA LA CUENTA DE RESULTADOS EN LA PRODUCCIÓN DE LOS COMPONENTES DEL MOTOR
Type: Popular science article
A. Fernandez; A. Calleja; A. Rodriguez; G. Urbikain; A. Alvarez; L. N. Lopez de Lacalle. En: TECNICA Y TECNOLOGIA para la INDUSTRIA AERONAUTICA. 2, pp. 10 - 25. NOVA AGORA, 2015. ISSN 2014-8305
- 13 Title of the work:** LA MULTITAREA HA VENIDO PARA QUEDARSE
Type: Popular science article
G. Urbikain; A. Calleja; A. Rodriguez; A. Fernandez. En: IMHE. 411, pp. 24 - 29. IZARO, 2014. ISSN 0210-1777
- 14 Title of the work:** LA REPETITIVIDAD EN 5 EJES: A VUELTAS CON LA SOLUCION
Type: Popular science article
E. Artetxe; A. Calleja; H. Gonzalez; A. Lamikiz; L. N. Lopez de Lacalle. En: INTEREMPRESAS:INDUSTRIA AERONAUTICA. 6, pp. 26 - 32. NOVA AGORA, 2016. ISSN 1578-8881
- 15 Title of the work:** MAQUINAS HIBRIDAS; ¿EL MULTITASKING LLEVADO HASTA EL LIMITE?
Type: Popular science book
A. Calleja; S. Martinez; I. Arrizubieta; M. Renderos. En: INTEREMPRESAS: TECNICA Y EQUIPAMIENTO PARA LA IMPRESION 3D FABRICACION ADITIVA. 1, pp. 34 - 42. NOVA AGORA, 2016. ISSN 1578-8881
- 16 Title of the work:** MECANIZADO DE UN COMPONENTE TIP 'RIB' del ala de una aeronave no tripulada mediante refrigeración criogénica
Type: Popular science article
O. Pereira; H. Gonzalez; F. J. Campa; A. Calleja; A. Rodriguez; L. N. Lopez de Lacalle. En: TECNICA Y TECNOLOGIA INDUSTRIA AERONAUTICA. 61 - 11, pp. 8 - 18. NOVA AGORA, 2017. ISSN 2014-8305
- 17 Title of the work:** MULTITASKING 2.0: HACIA LA INTEGRACION DE TAREAS EN MECANIZADO, LA REVOLUCION DEL MULTITASKING
Type: Popular science article
A. Calleja; A. Rodriguez; L. N. Lopez de Lacalle. En: IMHE. 388, pp. 25 - 34. IZARO, 2012. ISSN 0210-1777
- 18 Title of the work:** PALABRA DE EXPERTOS AERONAUTICA: LA AERONAUTICA DA A ALAS A LA INDUSTRIA DEL MECANIZADO
Type: Popular science article
A. Calleja. En: IMHE. 395, pp. 26 - 36. IZARO, 2013. ISSN 0210-1777



- 19 Title of the work:** SSM: MECANIZADO DE FORMAS LIBRES
Type: Popular science book
A. Calleja; H. Gonzalez; J. E. Ruiz; S. Martinez; O. Pereira. En: TECNICA Y TECNOLOGIA fabricación de moldes. 49 - 5, pp. 14 - 20. NOVA AGORA, 2017. ISSN 2014-8305
- 20 Title of the work:** SURFEANDO HACIA EL EXITO
Type: Popular science article
A. Calleja. En: IMHE. 398, pp. 83 - 87. IZARO, 2012. ISSN 0210-1777
- 21 Title of the work:** TECNOLOGIAS EMERGENTES EN FABRICACION
Type: Popular science article
O. Pereira; A. Rodriguez; G. Urbikain; A. Fernandez; A. Calleja. En: IMHE. 410, pp. 22 - 28. IZARO, 2014. ISSN 0210-1777
- 22 Title of the work:** Tendencias en modelización de los procesos de mecanizado
Type: Popular science article
A. Calleja; A.Celaya; G. Urbikain. En: TECNICA Y TECNOLOGIA. 52 - 9, pp. 6 - 14. NOVA AGORA, 2017. ISSN 2014-8305
- 23 Title of the work:** UN PROCESO ROBUSTO PARA EL MECANIZADO EN 5 EJES DE ROTORES DE ALABES INTEGRADOS DE MOTOR AERONAUTICO
Type: Popular science article
E. Artetxe; A. Fernandez; A. Calleja; G. Urbikain; I. Tabernero; A. Lamikiz; L. N. Lopez de Lacalle. En: INTEREMPRESAS:INDUSTRIA AERONAUTICA. 6, pp. 20 - 32. NOVA AGORA, 2016. ISSN 1578-8881
- 24 Title of the work:** UNO MAS UNO:MUCHO MAS QUE DOS
Type: Popular science article
A. Calleja. En: IMHE. 396, pp. 62 - 66. IZARO, 2013. ISSN 0210-1777

R&D management and participation in scientific committees

Evaluation and revision of R&D projects and articles

- 1 Performed tasks:** Articles review
Entity where activity was carried out: Engineering Computations (Emerald insight)
Type of activity: Review of articles in scientific or technological journals
Start-End date: 2017 - 2017
- 2 Performed tasks:** Articles review
Entity where activity was carried out: International Journal of Precision Engineering and Manufacturing (SPRINGER)
Type of activity: Review of articles in scientific or technological journals
Start-End date: 2017 - 2017
- 3 Performed tasks:** Articles review
Entity where activity was carried out: Procedia CIRP (Elsevier)
Type of activity: Review of articles in scientific or technological journals
Start-End date: 2017 - 2017



- 4** **Name of the activity:** Ministerio de economía, industria y competitividad-INFRAESTRUCTURA CIENTIFICO TECNOLOGICA
Performed tasks: Project evaluation
Type of activity: Evaluation and revision of R&D projects
Start-End date: 2017 - 2017
- 5** **Name of the activity:** Ministerio de economía, industria y competitividad-Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad en el marco del Plan Estatal de Investigación Científica y Técnica y de Innovación
Performed tasks: Project evaluation
Type of activity: Evaluation and revision of R&D projects
Start-End date: 2017 - 2017
- 6** **Name of the activity:** Ministerio de economía, industria y competitividad-EMPLEA
Performed tasks: Project evaluation
Type of activity: Evaluation and revision of R&D projects
Start-End date: 2016 - 2016
- 7** **Performed tasks:** Articles review
Entity where activity was carried out: Part C Journal of Mechanical Engineering Science (SAGE Journals)
Type of activity: Review of articles in scientific or technological journals
Start date: 2014

Other achievements

Editorial councils

Name of the editorial council: Editorial Committee

Affiliation entity: Editor: Journal of Manufacturing and Materials Processing SPECIAL ISSUE Cutting Tools and Machining Challenges to Improve Added Value Processes

Start date: 2018

Prizes, mentions and distinctions

- 1** **Description:** Premio extraordinario de doctorado Tesis doctoral UPV/EHU
Awarding entity: Universidad del País Vasco **Type of entity:** University
Conferral date: 2018
- 2** **Description:** Premio mejor tesis doctoral AEIM
Awarding entity: AEIM **Type of entity:** Associations and Groups
City awarding entity: ELCHE, Spain
Conferral date: 2017
- 3** **Description:** Premio mejor ponencia congreso CMH
Awarding entity: AFM **Type of entity:** Associations and Groups
Conferral date: 2015