MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CURRICULUM VITAE (maximum 4 pages)

Part A. PERSONAL INFORMATION

CV date	09/9/2019

First and Family name	ANTONIO LUQUE ESTEPA		
Social Security, Passport, ID number	28760893Z	Age	42
Researcher numbers	Researcher ID		
	Orcid code	0000-0001-9435-5870	

A.1. Current position

Name of University/Institution	Universidad de Sevilla			
Department	Universidad de Sevilla			
Address and Country	Sevilla, Andalucía, España			
Phone number	954481297	E-mail	aluque@gte.esi.us.es	
Current position	Profesor titular de universidad		From	2011
Espec. cód. UNESCO				
Palabras clave				

A.2. Education

PhD	University	Year
DOCTOR UNIVERSIDAD DE SEVILLA	Universidad de Sevilla	2005

A.3. JCR articles, h Index, thesis supervised…

6-year terms (sexenios) : 2 (last one in 2015)
PhD thesis supervised in the last 10 years: 1
Total cites: 371
Citation average in the last 5 years: 183/5 = 36.6
Number of publications in Q1: 15
h-index: 9
Other indicators:

Part B. CV SUMMARY *(max. 3500 characters, including spaces)*

The researcher got his PhD degree in Engineering at the University of Seville, Spain, in 2015. Since 2011 he is with the Department of Electronics Engineering of the same University. His research lines has been focused on microsystems, with several applications, among which biomedical ones can be highlighted.

He has 2 research terms (sexenios) officially recognized and 3 teaching ones (quinquenios). His total scientific production is composed of:
- International journal papers: 29
- Papers in conferences: 31
- Participation in R+D projects: 23
- Book chapters: 1
- Books edited: 2
- Internationa awards: 1
- Patents: 2

It is worth noting the extensive participation in international scientific and technical organizations. Among the positions held, the followiing can be highlighted:
- IEEE Senior Member since 2003
- Member, Internet Society, since 2004
- Administrative Committee (AdCom) member IEEE Industrial Electronics Society, 2007-present.
- Chair, Web & Information Committee, IEEE IES, 2007-2010
- Nanotechnology Council, AdCom member, 2013-2015

- IEEE Membership Recruitment and Recovery Committee, Chair, 2015-2016
- Member, IEEE Information Technology Oversight Committee, 2017
- Chair, IEEE Spain Section, 2016-17
- Vice-Chair, IEEE R8 (Europe, Middle-East, Africa), 2017-18
- Vice-President for Workshop Activities, IEEE IES, 2016-18

He is also member of editorial boards of internationally renowned journals in the area:
- IEEE Journal of Microelectromechanical Systems, Associate Editor, 2015-present
- IEEE Transactions on Industrial Electronics. Associate Editor, 2016-present
- IEEE Industrial Electronics Magazine, Editorial Board, 2017-present

Part C. RELEVANT MERITS

C.1. Publications (including books)

C.1. Publicaciones

Book chapter. Ramadoss, Ramesh; Luque-Estepa, Antonio; Aracil-Fernandez, Carmen. MEMS Packaging. Chapter 6 PCB Based MEMS and Microfluidics. World Scientific Publishing Company Pte Limited, 2018 - 364 pages

Journal. Paper. Blas Salvador, Antonio Luque, Laura Fernandez-Maza, Ariadna Corral, Diana Orta, Isabel Fernández, José Manuel Quero, "Disposable PDMS Chip With Integrated [18F]Fluoride Pre-Concentration Cartridge for Radiopharmaceuticals", Microelectromechanical Systems Journal of, vol. 26, no. 6, pp. 1442-1448, 2017.

Journal paper. Aracil-Fernandez, Carmen; Perdigones-Sanchez, Francisco Antonio; Moreno-Lopez, Jose Miguel; Luque-Estepa, Antonio; Quero-Reboul, Jose Manuel. 2015. Portable Lab-on-PCB platform for autonomous micromixing. Microelectronic Engineering. 131: 13-18.

Journal paper. Perdigones-Sanchez, Francisco Antonio; Aracil-Fernandez, Carmen; Moreno-Lopez, Jose Miguel; Luque-Estepa, Antonio; Quero-Reboul, Jose Manuel. 2014. Highly integrable pressurized microvalve for portable SU-8 microfluidic platforms. Journal Of Microelectromechanical Systems. 23: 398- 405.

Journal paper. Perdigones-Sanchez, Francisco Antonio; Luque-Estepa, Antonio; Quero-Reboul, Jose Manuel. 2014. Correspondence Between Electronics and Fluids in MEMS: Designing Microfluidic Systems Using Electronics. IEEE Industrial Electronics Magazine. 8: 6-17.

Book. Luque-Estepa, Antonio. 2014. Smart sensors and MEMS. Woodhead Publishing.

Journal paper. Luque-Estepa, Antonio; Flores, Guadalupe; Perdigones-Sanchez, Francisco Antonio; Medina, Diego; Garcia, Juan; Quero-Reboul, Jose Manuel. 2013. Single axis accelerometer fabricated using Printed Circuit Board techniques and laser ablation. Sensors and Actuators A: Physical. 192: 119-123.

Journal paper. Perdigones-Sanchez, Francisco Antonio; Luque-Estepa, Antonio; Gañan-Calvo, Alfonso Miguel; Quero-Reboul, Jose Manuel. 2011. HIGHLY INTEGRABLE FLOW REGULATOR WITH POSITIVE GAIN. IEEE Journal of Microelectromechanical Systems. 20: 12-14.

Journal paper. Perdigones-Sanchez, Francisco Antonio; Luque-Estepa, Antonio; Quero-Reboul, Jose Manuel. 2010. NOVEL STRUCTURE FOR A PNEUMATICALLY CONTROLLED FLOW REGULATOR WITH POSITIVE GAIN. IEEE Journal of Microelectromechanical Systems. 19: 1070-1078.

Journal paper. Luque-Estepa, Antonio; Moreno-Lopez, Jose Miguel; Brey, José Javier; Ellis-,Charles; Quero-Reboul, Jose Manuel; Wilamowski-,Bogdan. 2010. MONOLITHICALLY

INTEGRATED GAS DISTRIBUTION CHAMBER FOR SILICON MEMS FUEL CELLS. IEEE Journal of Microelectromechanical Systems. 19: 384-390.

Journal paper. Aracil-Fernandez, Carmen; Quero-Reboul, Jose Manuel; Luque-Estepa, Antonio; Moreno-Lopez, Jose Miguel; Perdigones-Sanchez, Francisco Antonio. 2010. PNEUMATIC IMPULSION DEVICE FOR MICROFLUIDIC SYSTEMS. Sensors and Actuators A: Physical. 163: 247-254.

Journal paper. Luque-Estepa, Antonio; Perdigones-Sanchez, Francisco Antonio; Esteve-,J; Montserrat-,Josep; Gañan-Calvo, Alfonso Miguel; Quero-Reboul, Jose Manuel. 2009. REDUCTION OF DROPLET-SIZE DISPERSION IN PARALLEL FLOW-FOCUSING MICRODEVICES USING A PASSIVE METHOD. Journal of Micromechanics and Microengineering. 19: 045029-045029.

C.2. Research projects and grants

Desarrollo y Validación de una Plataforma Lab-on-Chip para Aplicaciones Biomédicas sobre Sustrato Pcb (Lab-on-Pcb). Ministerio de Economía y Competitividad. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2015-2017. 171820 EUR.

Microlab-en-Chip para Producción de Radiofármacos para Diagnóstico PET. CONSEJERÍA DE ECONOMÍA, INNOVACIÓN Y CIENCIA. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2014-2019. 180369 EUR.

Desarrollo de un Star Tracker con Componentes Cots para el Control de Actitud de Picosatélites. JUNTA DE ANDALUCÍA - CONSEJERÍA DE INNOVACIÓN, CIENCIA Y EMPRESAS. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2013-2016. 205160 EUR.

Integración de Sensores Inteligentes en Lab-on-Chip para Aplicaciones Biomédicas. MINISTERIO DE CIENCIA E INNOVACIÓN. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2012-2015. 154517 EUR.

SIGMAPLANTAS: La innovación en las plantas y modelos de sistemas de concentración fotovoltaica en España. MINISTERIO DE CIENCIA E INNOVACIÓN. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2011-2014. 300002 EUR.

SENSOR SOLAR ALTAMENTE INTEGRADO PARA EL CONTROL DE ACTITUD DE SATÉLITES. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2009. 289423,68 EUR.

MEMSFAB2. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2008-2008. 20500 EUR.

MICROSISTEMA PARA LA EXTRACCIÓN Y MULTIANÁLISIS DE FLUIDOS BIOLÓGICOS E INYECCIÓN DE FÁRMACOS EN APLICACIONES TELEMÉDICAS. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2007-2010. 112772 EUR.

C.3. Contracts

Curso de microsistemas. Luque-Estepa, Antonio (Universidad de Sevilla). 2011-2011. 1680 EUR.

Estudios, diseño y fabricación de inclinómetros. Luque-Estepa, Antonio (Universidad de Sevilla). 2011-2013. 41777 EUR.

BIOINGENIERÍA AL SERVICIO DE LA SOCIEDAD. SINBAD. Quero-Reboul, Jose Manuel (Universidad de Sevilla). 2008-2009. 75500 EUR.

C.4. Patents

Quero-Reboul, Jose Manuel; Perdigones-Sanchez, Francisco Antonio; Gañan-Calvo, Alfonso Miguel; Luque-Estepa, Antonio. PRODUCTION METHOD FOR A MICROMETRIC FLOW FOCUSING DEVICE.

C.5, Participation in scientific international organizations

- IEEE Journal of Microelectromechanical Systems, Associate Editor, 2015-present
- IEEE Transactions on Industrial Electronics. Associate Editor, 2016-present
- IEEE Industrial Electronics Magazine, Editorial Board, 2017-present
- Reviewer for IEEE Sensors Journal, Sensors & Actuators A, Lab-on-chip, etc

C.6. Organization of international conferences

Technical Program Chair for conferences:
IEEE International Conference on Industrial Technology (ICIT), 2011, Auburn, AL (USA)
IEEE International Conference on Industrial Technology (ICIT) 2013, Cape Town (South Africa)
IEEE International Symposum on Industrial Electronics (ISIE), 2013, Taipei (Taiwan)
IEEE International Conference on Industrial Technology (ICIT) 2014, Busan (Korea)
IEEE International Conference on Industrial Cyber-Physical Systems (ICPS) 2019, Taipei (Taiwan)
IEEE International Conference on Industrial Technology (ICIT) 2019, Melbourne (Australia)

General Chair for conferences:
IEEE International Conference on Industrial Technology (ICIT), 2015, Seville (Spain)
IEEE International Conference on Industrial Technology (ICIT) 2016, Taipei (Taiwan)
IEEE/SICE International Symposium on System Integration (SII), 2017, Taipei (Taiwan)

C.7 Supervision of PhD thesis

PhD candidate: Francisco Antonio Perdigones Sánchez. Title: Microsistemas con actuación fluídica positiva y aplicación en regulación activa de caudal. 2010

PhD candidate: Blas Salvador Domínguez. Title: Microlab-en-Chip para Producción de Radiofármacos para Diagnóstico PET. Expected for early 2019

C.8 International awards

Young European Researcher. Academia Aeuropea, 2007