

CV date	21/03/2021
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Part A. PERSONAL INFORMATION

First and Family name	José Antonio Gil Gómez		
Social Security, Passport, ID number	DNI: 52724129-X	Age	48
Researcher codes	Open Researcher and Contributor ID (ORCID**)	0000-0001-9954-2480	
	SCOPUS Author ID (*)	7801475785	
	WoS Researcher ID (*)	H-9756-2015	

(*) Optional

(**) Mandatory

A.1. Current position

Name of University/Institution	Universitat Politècnica de València		
Department	Sistemas Informáticos y Computación		
Address and Country	Camino de Vera, s/n, València, España		
Phone number	660847512	E-mail	jgil@upv.es
Current position	Profesor Titular de Universidad	From	27/11/2017
Key words	Computer-assisted psychology, Virtual rehabilitation, ICT for health		

A.2. Education

PhD, Licensed, Graduate	University	Year
PhD in Computer Science	Universitat Politècnica de València	2004
Software Engineer	Universitat Politècnica de València	1997

A.3. General indicators of quality of scientific production (see instructions)

The researcher has two six-year periods of research, the last of which is active (granted in 2018, corresponding to the 2011-2017 period).

Since 2010, he has directed four doctoral theses.

Bibliometric indicators (source WoS): Total citations: 574; Average citations/year in the last 5 years: 66.8; H-index: 13.

Bibliometric indicators (source: Google Scholar): Total citations: 1473; Average citations/year in last 5 years: 159.2; H-index: 18.

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

José Antonio Gil Gómez has a PhD in Computer Science from the Universitat Politècnica de València, and works as a researcher at the University Institute for Research in Automatics and Industrial Computing (ai2) from the same university; at said Institute he is part of the new institute management staff (starting: january 2021) as deputy *Director of Research*.

The researcher's scientific career has been linked for more than 20 years to the application of technologies in the field of health. Within this field, it is relevant to outline his collaboration in two areas: psychology and rehabilitation.

Within the first of these areas, it is worth highlighting the collaboration of the researcher with psychologists from many universities in projects aimed either at applying psychology to the field of education or at treating psychological disorders (treatment of various phobias, eating disorders, emotional disorders and autism spectrum disorders).

Regarding the second of these areas, it is interesting to note his work in the application of technology for cognitive and motor rehabilitation.

The researcher has participated in 56 R+D+i projects financed in competitive calls both at national and european level, participating either as a researcher or as a principal researcher. He has also participated in 17 research contracts.

It should be noted that a large number of these research projects and contracts have achieved results that have finally been transferred to companies and institutions that use them today.

Among the researcher's publications there are more than 30 publications in JCR journals (most of them indexed in Q1 or Q2) and more than 60 contributions in research conferences, all of



them with peer review process and ISBN, and several of them included in quality indexes such as CORE.

Furthermore, he has four records of Transferable Results (Systems / software), registered through the Technology Transfer Centre of the Universitat Politècnica de València and another two records registered at the Universitat de València.

Besides, the researcher's training capacity should be recognised, as he received the teaching excellence award in 2011. In this sense, he has participated in multiple educational innovation projects, also having teaching experience in four official masters, three from the Universitat Politècnica de València (Master's Degree in Biomedical Engineering, Master's Degree in Artificial Intelligence, Form Recognition and Digital Image and Master's Degree in Intelligent Transport Systems) and one from the Universitat de València (Master's Degree in multidisciplinary intervention for TCA / TP).

Finally, note the direction of various doctoral theses (all of them on the application of technology to the health field), three of which have already been completed with the highest marks.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

1. de la Barrera Marzal, U; Konstanze Schoeps; Gil-Gómez, José-Antonio; Inmaculada Montoya-Castilla. (2019) Predicting Adolescent Adjustment and Well-Being: The Interplay between Socio-Emotional and Personal Factors. *International Journal of Environmental research and Public Health* (16)1 – 17. DOI: 10.3390/ijerph16234650 (journal impact factor JCR: 2.849, Quartile Q1)

2. Segura-Orti, E.; Perez-Dominguez, B.; Ortega-Pérez de Villar, L.; Melendez-Oliva, E.; Martínez-Gramaje, J.; García-Maset, R.; Gil-Gómez, J.A. (2018) Virtual reality exercise intradialysis to improve physical function: A feasibility randomized trial. *Scandinavian Journal of Medicine and Science in Sports*, 1 (29), 89 – 94. DOI: 10.1111/sms.13304. Epub (journal impact factor JCR: 3.631, Quartile Q1)

3. Gil-Gómez, José-Antonio; Manzano-Hernández, Pilar; Albiol-Perez, Sergio; Aula-Valero, Carmen; Gil Gómez, Hermenegildo; Lozano Quilis, José Antonio. (2017) USEQ: A Short Questionnaire for Satisfaction Evaluation of Virtual Rehabilitation Systems. *Sensors*, 7 (17), 1 – 12. DOI: 10.3390/s17071589 (journal impact factor JCR: 2.475, Quartile Q2)

4. Albiol-Perez, S.; Gil-Gómez, J.A.; Muñoz M.; Gil-Gómez H.; Vial, R.; Lozano J.A. (2017). The Effect of Balance Training on Postural Control in Patients with Parkinson's Disease Using a Virtual Rehabilitation System. *Methods of Information in Medicine*. 56, pp. 138 – 144. DOI: 10.3414/ME16-02-0004 (journal impact factor JCR: 1.531, Quartile Q3)

5. Lloréns, R.; Gil-Gómez J.; Alcañiz M.; Colomer, C; Noé, E. (2015). Improvement in balance using a virtual reality-based stepping exercise: a randomized controlled trial involving individuals with chronic stroke. *Clinical Rehabilitation*. 29, pp. 261 - 268. DOI: 10.1177/0269215514543333 (journal impact factor JCR: 2.403, Quartile Q1)

6. Martín, J.F.; Juan, M.C.; Gil-Gómez, J.A.; Rando, N. (2014) Flexible learning itinerary vs. linear learning itinerary. *Science of Computer Programming*, 88, pp. 3-21. DOI: 10.1016/j.scico.2013.12.009 (journal impact factor JCR: 0.715, Quartile Q3)

7. Belloch, A.; Cabedo, E.; Carrió, C.; Lozano Quilis, J.A.; Gil-Gómez, J.A.; Gil Gómez, H. (2014). Virtual Reality Exposure for OCD: Is It Feasible? *Revista de psicopatología y psicología clínica*, 19, pp. 37-44. DOI: 10.5944/rppc (journal impact factor SJR: 0.288, Quartile Q3)

8. Arino, J.J.; Juan, M.C.; Gil-Gómez, J.A.; Mollá, R. (2014) A comparative study using an autostereoscopic display with augmented and virtual reality. *Behaviour & Information Technology*. 33, pp. 646-655. DOI: 10.1080/0144929X.2013.815277 (journal impact factor JCR: 0.891, Quartile Q3)



9. Lozano Quilis, J.A.; Gil Gómez, H.; Gil-Gómez, J.A.; Albiol-Pérez S.; Palacios Navarro, G. (2014). Virtual rehabilitation for multiple sclerosis using a Kinect-based system: randomized controlled trial. *Journal of Medical Internet Research - Serious Games*, 2, pp. 1-8. DOI: 10.2196/games.2933 (2017: journal impact factor JCR: 2.226, Quartile Q2)

10. Gil-Gómez, J.A.; Lloréns R.; Alcañiz M.; Colomer C. (2011) Effectiveness of a Wii balance board-based system (eBaViR) for balance rehabilitation: a pilot randomized clinical trial in patients with acquired brain injury. *Journal of NeuroEngineering and Rehabilitation*, 8, pp. 1 - 9. DOI: 10.1186/1743-0003-8-30 (journal impact factor JCR: 3.264, Quartile Q1)

C.2. Research projects (due to the 4-pages limit, only some highlighted projects are listed)

1. Reference: UV-INV_PROVAL19-1212440

Title: Prueba de concepto emoTIC: desarrollo de las competencias socioemocionales en adolescentes apoyado en TIC.

Financing: Commission of the European Communities.

Main researcher: Montoya Castilla, I.

Start - end: 14/07/2020– 13/07/2021

Budget: 19.990,33 €

Type of participation: Researcher

Project status: approved

2. Reference: PSI2017-84005-R

Title: Intervención socio-emocional apoyada en TICs: desarrollo de la responsabilidad y el bienestar en la comunidad educativa.

Financing: Ministerio de Ciencia, Innovación y Universidades.

Main researchers: Montoya Castilla, I.; Gil Gómez, J.A.

Start - end: 01/01/2018– 31/12/2020

Budget: 61.710 €

Type of participation: Main researcher

Project status: approved

3. Reference: TIN2012-37381-C02-01

Title: Desarrollo y validación de sistemas de realidad virtual y aumentada para evaluar la memoria espacial a corto plazo en niños.

Financing: Ministerio de Economía Industrial y Competitividad.

Main researcher: Juan-Lizandra, M. C.

Start - end: 01/01/2013– 31/12/2015

Budget: 96.372,90 €

Type of participation: Researcher

Project status: approved

4. Reference: SP20120595

Title: VR-IMPACT – Impacto económico y social de la integración de tecnologías de rehabilitación virtual de bajo coste en entornos clínicos

Financing: Universitat Politècnica de València.

Main researcher: Gil-Gómez, José-Antonio.

Start - end: 31/12/2012– 31/03/2014

Budget: 8.500 €

Type of participation: Main researcher

Project status: approved

5. Reference: GV/2012/069

Title: Sistema de rehabilitación virtual de bajo coste para reeducación del equilibrio en pacientes con daño cerebral adquirido.

Financing: Generalitat Valenciana.

Main researcher: Gil-Gómez, José-Antonio.

Start - end: 01/01/2012– 31/12/2013

Budget: 6.000 €

Type of participation: Main researcher

Project status: approved



6. Reference: 238891
Title: Motivating platform for elderly networking, mental, reinforcement and social interaction.
Financing: Singkioular lotzik anonymos etairia plirof. sys. & efarmogon, Comisión de las Comunidades Europeas.
Main researcher: Alcañiz Raya, Mariano.
Start - end: 01/01/2010– 31/10/2012
Budget: 270.181 €
Type of participation: Researcher
Project status: approved
7. Reference: PAID-06-09-2883
Title: OCU-TECH: Sistema Integral De Soluciones Basadas En Tic's De Última Generación Para Terapia Ocupacional De Pacientes Dependientes.
Financing: Universitat Politècnica de València.
Main reseacher: Gil-Gómez, José-Antonio.
Start - end: 01/12/2009– 30/11/2010
Budget: 9.000 €
Type of participation: Main researcher
Project status: approved

C.3. Contracts, technological or transfer merits

Contrat to highlight:

1. Title: Colaboración Proyecto Neuro-Tar: Nueva Tecnología Para El Tratamiento Neurorrehabilitador De Los Problemas Motores (IDI-20130797)
Company: INIA Neural S.L.
Main researcher: Gil-Gómez, H. (Universitat Politècnica de València).
Start - end: 09/12/2013 - 09/06/2015
Budget: 108.000 €
Type of participation: Researcher.

Software records deposited at Universitat de València:

2. Title: EMOTIC. Desarrollo de competencias emocionales en adolescentes apoyado en TIC Registered as intellectual property in at Universitat de València; register number: 166073/2949; date: 7/10/2019.
3. Title: EMOTIC+. Desarrollo de competencias socio-emocionales en adolescentes apoyado en TIC. Registered as intellectual property in at Universitat de València; register number: 164386; date: 4/10/2019.

Systems and software registered as transferable results at Universitat Politècnica de València:

4. Title: ABAR: Active Balance Rehabilitation.
Inventors / Authors: Gil-Gómez, J.A.; Albiol-Pérez, S.; Gil-Gómez, H.; Lozano Quilis, J. A.
Scientific Interlocutor: Gil Gómez, J. A. Date: 29/02/2012
5. Title: eBaVir: easy Balance Virtual Rehabilitation.
Inventors / Authors: Alcañiz Raya, M; Gil Gómez, J. A.
Scientific Interlocutor: Gil Gómez, J. A. Date: 9/9/2010
6. Title: rToy.
Inventors / Authors: Alcañiz Raya, M; Gil Gómez, J. A., Ortega, M.
Scientific Interlocutor: Gil Gómez, J. A. Date: 8/10/2010
7. Title: MINI EcoTrain.Motor.
Inventors / Authors: Alcañiz Raya, M; Gil Gómez, J.A., Lozano Quilis, J.A.
Scientific Interlocutor: Gil Gómez, J. A. Date: 8/10/2010