

Piedad Tolmos

Present position:

- Associate professor, Faculty of Economic and Business Administration Sciences, Univ. Rey Juan Carlos (URJC); Madrid, Spain

Education:

- PhD in Economics and Business Administration (UCM - Complutense University of Madrid, Spain) Thesis: "Selection of risk factors and prediction of accidents in automobile insurance using Machine Learning techniques"
- Mathematics (UCM - Complutense University of Madrid, Spain)

Academic positions:

- Founding Director of the Department of Financial Accounting and Accountability¹, URJC (from 2018 to present)
- Member of the Governing Council of the University.
- Coordinator of Pre-primary Education University Degree at URJC (4 years).

Research: projects

- Participated in 2 EU funded projects and other 4 nationally or regionally funded projects related with STEM Education.

Research: educational innovation projects

- Participated in 10 URJC and 2 UCM educational innovation projects.

Research: lines of interest

- Mathematical education.
- STEM Education in Pre-service teachers training.
- Educational robotics and technology applications in mathematical education.

Others:

- URJC Innovative Mentor for Teachers.
- Microsoft Innovative Education Expert, Microsoft Innovative educator fellow, Global Learning Mentor.
- Mentor in the SteMatEsElla program²
- Fluent in Spanish and English.
- Interested in reading, culture and related with historical background activities, and outdoor & nature activities.

Some publications:

- Herrero A; Recio T; Tolmos, P.; Vélez, P. From the Steam Engine to STEAM Education: An Experience with Pre-Service Mathematics Teachers. *Mathematics*. 11/Issue 2, 473, 16/01/2023. ISSN 2227-7390 DOI: <https://doi.org/10.3390/math11020473>
- Leoste J, Virkus S, Kasuk T, Talisainen A, Kangur K and Tolmos P. Aspects of Using Telepresence Robot in a Higher Education STEAM Workshop, In book: *Information Integration and Web Intelligence*, Springer, 11/2022, DOI: 10.1007/978-3-031-21047-1_2
- Tolmos P; Cid Cid A.; Guede-Cid R; Martín Monge H.. Problem Based Learning approach to train preservice teachers in mathematics education: an experience. *Proceedings of the Asian Technology Conference in Mathematics (26th Asian Technology Conference in Mathematics, ATCM 2021)*. 12/2021. ISSN 1940-4204
- Cid Cid A.; Guede-Cid R.; Tolmos, P. La clase invertida en la formación inicial del profesorado: acercando la realidad del aula de matemáticas. *Bordón*. 70/3, pp. 77 - 93. (España): 05/2018. ISSN 0210-5934 DOI: <https://doi.org/10.13042/Bordon.2018.64127>
- Tolmos, P.; Guede-Cid R.; Cid Cid A.. Conectando mundos: los niños son los maestros. Una experiencia en el aula universitaria. *Espacios*. 39/10, pp. 22 - 32. (Venezuela): 02/2018. ISSN 0798-1015

¹ The Department includes the areas of: Mathematics and Statistic for Social Sciences, Didactics of Mathematics, Computation for Social Sciences and Accounting.

² SteMatEsElla is a program for supporting and promoting the scientific and entrepreneurial careers of women students in STEM and related disciplines in Spain.