

Date of the CVA

27/09/2019

Section A. PERSONAL DATA

Name and Surname	Michal Bizzarri		
DNI/NIE/Passport		Age	
Researcher's identification number	Researcher ID		
	Scopus Author ID	46860972400	
	ORCID	0000-0002-3845-4038	

A.1. Current professional situation

Institution	BCAM - BASQUE CENTER FOR APPLIED MATHEMATICS		
Dpt. / Centre			
Address			
Phone		Email	
Professional category	Postdoctoral Fellowship	Start date	2019
UNESCO spec. code			
Keywords			

A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
PhD., Applied Mathematics	University of West Bohemia, Pilsen, Czech Republic	2014
Master of Science	University of West Bohemia, Pilsen, Czech Republic	2010

A.3. General quality indicators of scientific production

Documents: 18, Citations: 61, h-index: 5 (source Scopus)

Section B. SUMMARY OF THE CURRICULUM

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications

- Scientific paper.** Bizzarri, M.; Lávička, M.; Vršek, J.2020. Computing projective equivalences of special algebraic varieties Journal of Computational and Applied Mathematics. 367.
- Scientific paper.** Bizzarri, M.; Lávička, M.; Vršek, J.2019. Linear computational approach to interpolations with polynomial Minkowski Pythagorean hodograph curves Journal of Computational and Applied Mathematics. 361, pp.283-294.
- Scientific paper.** Bizzarri, M.; et al. 2018. A direct and local method for computing polynomial Pythagorean-normal patches with global G1 continuity CAD Computer Aided Design. 102, pp.44-51.
- Scientific paper.** Bizzarri, M.; et al. 2017. Hermite interpolation by piecewise polynomial surfaces with polynomial area element Computer Aided Geometric Design. 51, pp.30-47.
- Scientific paper.** Bizzarri, M.; Lávička, M.; Vršek, J.2017. Piecewise rational approximation of square-root parameterizable curves using the Weierstrass form Computer Aided Geometric Design. 56, pp.52-66.
- Scientific paper.** Bizzarri, M.; Lávička, M.2017. Rational adaptive blends among obstacles in 3D by contour method CAD Computer Aided Design. 89, pp.1-11.
- Scientific paper.** Bizzarri, M.; Lávička, M.; Kosinka, J.2017. Skinning and blending with rational envelope surfaces CAD Computer Aided Design. 87, pp.41-51.
- Scientific paper.** Bizzarri, M.; Lávička, M.; Kosinka, J.2016. Medial axis transforms yielding rational envelopes Computer Aided Geometric Design. 46, pp.92-102.

- 9 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.; Vršek, J.2015. Canal surfaces with rational contour curves and blends bypassing the obstacles CAD Computer Aided Design. 64, pp.55-67.
- 10 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.2015. On modeling with rational ringed surfaces CAD Computer Aided Design. 58, pp.151-161.
- 11 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.2014. Approximation of implicit blends by canal surfaces of low parameterization degree Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). 8177 LNCS, pp.34-48.
- 12 **Scientific paper.** Bastl, B.; et al. 2014. C1 Hermite interpolation with spatial Pythagorean-hodograph cubic biarcs Journal of Computational and Applied Mathematics. 257, pp.65-78.
- 13 **Scientific paper.** Bastl, B.; et al. 2014. C2 Hermite interpolation by Pythagorean-hodograph quintic triarcs Computer Aided Geometric Design. 31-7, pp.412-426.
- 14 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.2013. A symbolic-numerical approach to approximate parameterizations of space curves using graphs of critical points Journal of Computational and Applied Mathematics. 242-1, pp.107-124.
- 15 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.2013. Parameterizing rational offset canal surfaces via rational contour curves CAD Computer Aided Design. 45-2, pp.342-350.
- 16 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.2012. A symbolic-numerical method for computing approximate parameterizations of canal surfaces CAD Computer Aided Design. 44-9, pp.846-857.
- 17 **Scientific paper.** Bizzarri, M.; Lávi?kaa, M.2011. Algorithm for the parameterization of rational curves revisited Journal for Geometry and Graphics. 15-1, pp.1-18.
- 18 **Scientific paper.** Bizzarri, M.; Lávi?ka, M.2009. A note on the rational parameterization of algebraic curves in mathematica ® Journal of Interdisciplinary Mathematics. 12-2, pp.293-317.

C.2. Participation in R&D and Innovation projects

C.3. Participation in R&D and Innovation contracts

C.4. Patents