

CURRICULUM VITAE

JESÚS MARIO BILBAO

I was born in Bilbao (Spain) in 1954 and I was received my Ph. D. in Mathematics (Functional Analysis) from the University of Seville, under the direction of Professor Pedro Pérez Carreras in 1981. I am Professor of Applied Mathematics at Seville University and director of the research group *Combinatorial and Algorithmic Methods in Game Theory*. My recent publications are the following:

- (1) Axioms for the Shapley value on convex geometries. *European Journal of Operational Research* 110 (1998) 368–376.
- (2) Values and potential of games with cooperation structure. *International Journal of Game Theory* 27 (1998) 131–145.
- (3) Closure spaces and restricted games. *Mathematical Methods of Operations Research* 48 (1998) 57–69.
- (4) The Banzhaf power index on convex geometries. *Mathematical Social Sciences* 36 (1998) 157–173 (with A. Jiménez Losada, and J. J. López).
- (5) Probabilistic values on convex geometries. *Annals of Operations Research* 84 (1998) 79–95 (with N. Jiménez, and E. Lebrón).
- (6) The core of games on convex geometries. *European Journal of Operational Research* 119 (1999) 365–372 (with N. Jiménez, and E. Lebrón).
- (7) The selectope for games with partial cooperation. *Discrete Mathematics* 216 (2000) 11–27 (with N. Jiménez, E. Lebrón, and H. Peters).
- (8) The Shapley value on convex geometries. *Discrete Applied Mathematics* 103 (2000) 33–40 (with P. H. Edelman).
- (9) The position value for union stable systems. *Mathematical Methods of Operations Research* 52 (2000) 221–236 (with E. Algaba, P. Borm, and J. J. López).
- (10) *Cooperative Games on Combinatorial Structures* (2000) Kluwer Academic Publishers, Boston.
- (11) A unified approach to restricted games. *Theory and Decision* 50 (2001) 333–345 (with E. Algaba, and J. J. López).
- (12) The Shapley value for games on matroids: The static model. *Mathematical Methods of Operations Research* 53 (2001) 333–348 (with T. S. H. Driessen, A. Jiménez Losada, and E. Lebrón).

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- (13) The Myerson value for union stable structures. *Mathematical Methods of Operations Research* 54 (2001) 359–371 (with E. Algaba, P. Borm, and J. J. López).
- (14) A dual approach to compromise values. In: L. A. Petrosjan and V. V. Mazalov (eds.) *Game Theory and Applications, Vol. VII* (2001) Nova Science Publishers, New York, pp. 23–32 (with A. Jiménez Losada, E. Lebrón, and S. H. Tijs).
- (15) Voting power in the European Union enlargement. *European Journal of Operational Research* 143 (2002) 181–196 (with J. R. Fernández, N. Jiménez, and J. J. López).
- (16) Generating functions for computing the Myerson value. *Annals of Operations Research* 109 (2002) 143–158 (with J. R. Fernández, E. Algaba, A. Jiménez Losada, N. Jiménez, and J. J. López).
- (17) The Shapley value for games on matroids: The dynamic model. *Mathematical Methods of Operations Research* 56 (2002) 287–301 (with T. S. H. Driessen, A. Jiménez Losada, and E. Lebrón).
- (18) On the complexity of computing values of restricted games. *International Journal of Foundations of Computer Science* 13 (2002) 633–651 (with J. R. Fernández, and J. J. López).
- (19) Axiomatizations of the Shapley value for games on antimatroids. *Mathematical Methods of Operations Research* 57 (2003) 49–65 (with E. Algaba, R. van den Brink, and A. Jiménez Losada).
- (20) Computing power indices in weighted multiple majority games. *Mathematical Social Sciences* 46 (2003) 63–80 (with E. Algaba, J. R. Fernández, and J. J. López).
- (21) Cooperative games under augmenting systems. *SIAM Journal on Discrete Mathematics* 17 (2003) 122–133.
- (22) An axiomatization of the Banzhaf value for cooperative games on antimatroids. *Mathematical Methods of Operations Research* 59 (2004) 147–166 (with E. Algaba, R. van den Brink, and A. Jiménez Losada).
- (23) Cooperative games on antimatroids. *Discrete Mathematics* 282 (2004) 1–15 (with E. Algaba, R. van den Brink, and A. Jiménez Losada).
- (24) The position value in communication structures. *Mathematical Methods of Operations Research* 59 (2004) 465–477 (with E. Algaba, and J. J. López).
- (25) Values for interior operator games. *Annals of Operations Research* 137 (2005) 141–160 (with C. Chacón, A. Jiménez Losada, and E. Lebrón).
- (26) The marginal operators for games on convex geometries. *International Game Theory Review* 8 (2006) 141–151 (with N. Jiménez, E. Lebrón, and J. J. López).
- (27) A note on a value with incomplete communication. *Games and Economic Behavior* 54 (2006) 419–429 (with N. Jiménez, and J. J. López).

- (28) The distribution of power in the European Constitution. *European Journal of Operational Research* 176 (2007) 1752–1766 (with E. Algaba, and J. R. Fernández).
- (29) The core and the Weber set for bicooperative games. *International Journal of Game Theory* 36 (2007) 209–222 (with J. R. Fernández, N. Jiménez, and J. J. López).
- (30) The Shapley value for bicooperative games. *Annals of Operations Research* 158 (2008) 99–115 (with J. R. Fernández, N. Jiménez, and J. J. López).
- (31) Convexity properties for interior operator games. *Annals of Operations Research* 158 (2008) 117–131 (with C. Chacón, A. Jiménez Losada, and E. Lebrón).
- (32) Biprobabilistic values for bicooperative games. *Discrete Applied Mathematics* (2008) to appear (with J. R. Fernández, N. Jiménez, and J. J. López).

Address: MATEMÁTICA APLICADA II, ESCUELA SUPERIOR DE INGENIEROS, CAMINO DE LOS DESCUBRIMIENTOS S/N, 41092 SEVILLA, SPAIN

E-mail address: mbilbao@us.es <http://hercules.us.es/~mbilbao/>