

Short Résumé Elena Fernández

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Elena Fernández owns a bachelor degree (Univ. Zaragoza, 1979) and a master degree (Univ. Valencia, 1985), both in Mathematics. In 1988 she obtained her PhD in Operations Research at UPC. She has held several faculty positions, first at the Basque Country University and then at UPC. Since 2007 she is Full Professor of Operations Research at UPC.

Currently she serves at the Spanish ANEP, the governmental agency responsible for research evaluation, as the representative for the area of Statistics and Operations Research in the committee for mathematics.

Since July 2013 Elena is President Elect of the European Association of Operational Research Societies (EURO) for the term 2015-2016. Since 2011 she has served as the Vice President for EURO in the International Federation of Operational Research Societies (IFORS). From 2007 to 2010 she served as the Operations Research Vice President for the Spanish Statistics and Operations Research Society (SEIO). Since 2009 she is the representative of the Spanish Royal Mathematical Society in the Committee for Women in Mathematics of the European Mathematical Society (EMS).

Elena's research interest focuses on discrete optimization, mainly problems in the areas of discrete location, vehicle routing and network design. In the period 2005-2008 Elena coordinated the Spanish network on Location Analysis and Related Problems. Since 2005 she also coordinates the Generalitat de Catalunya research group PROMALS (Mathematical Programming, Logistics and Simulation). Elena has been the principal investigator of several of research projects funded by the Spanish Ministry of Science and Technology. Within these projects, Prof. Fernández has supervised a number of doctoral theses. She is the author of over 50 scientific papers, published in highly reputed journals on her research area, with about 40 co-authors from a dozen of different countries.

Elena is an associate editor of TOP, the Operations Research Journal of SEIO, and belongs to the editorial board of Computers & Operations Research and of the recently created EURO Journal on Computation Optimization. She has been invited editor of a special issue of Annals of Operations Research.

Prof. Fernández has participated in the organization and program committees of several national and international conferences. Currently she is the General Chair of the IFORS 2014 Conference in Barcelona.

Some recent publications:

- Aráoz, J., E. Fernández, C. Franquesa, (2013), GRASP and Path Relinking for the Clustered Prize-collecting Arc Routing Problem, *Journal of Heuristics* 19 343-371, DOI:10.1007/s10732-011-9183-1.
- E. Fernández, J. Puerto, A. Rodríguez-Chía (2013), Discrete Optimization with ordering. *Annals of Operations Research* 207 83-96, DOI: 10.1007/s10479-011-1044-7.
- Fernández, E., J. Kalciscs, S. Nickel (2013), The Maximum Dispersion Territory Design *Omega* 41 721–730.
- Contreras, I., E. Fernández, G. Reinelt, (2012), The center facility location/network design problem with budget constraint. *Omega* 40 847–860.
- Contreras, I., E. Fernández, (2012), General Network Design: A Unified View of Combined Location and Network Design Problems, *European Journal of Operational Research* 219 680-697.
- Albareda-Sambola, M., E. Fernández, S. Nickel, (2012), Multiperiod Location-Routing with Decoupled Time Scales, *European Journal of Operational Research* 217 248–258.
- Corberán, Á., E. Fernández, C. Franquesa, J.M. Sanchis (2011), The Windy Clustered Prize-collecting Arc Routing Problem, *Transportation Science* 45(3) 317-334.
- Albareda-Sambola, M., E. Fernández, F. Saldanha da Gama (2011), The Facility Location Problem with Bernoulli Demand, *Omega* 39 335–345.
- Contreras, I., J.A. Díaz, E. Fernández, (2011), Branch-and-Price for Large-Scale Capacitated Hub Location Problems with Single Assignment, *INFORMS Journal on Computing* 23, 42-55.
- Albareda-Sambola, M., E. Fernández, G. Laporte, (2011), A Computational Comparison of Several Models for the Exact Solution of the Capacity and Distance Constrained Plan Location Problem, *Computers & Operations Research* 38 1109–1116.