

Top

An OR Journal of the **Spanish Statistical and Operations Research Society**

Aims and Scope

Top is a journal of operations research, in which the emphasis is placed on papers containing original theoretical or application-oriented contributions. A volume of about 400 pages will be published annually in two parts, issued in June and December.

Top is published, in English, by SEIO, the Spanish Statistical and Operations Research Society (<http://www.cica.es/aliens/seio/>). The journal is a transformation of **Trabajos de Investigación Operativa** which, founded by Sixto Ríos, was published between 1950 and 1992. The first Editors of **Top** were Jaume Barceló and Laureano Escudero (1993-2000).

The main objectives established by the editors for the new stage consist of having **Top** ranked in the most important Indexes of Mathematics and Operations Research, becoming more influential in its field and more cited, with more and better papers submitted to **Top** every year, with a reduced time between submissions and replies, and increasing the diffusion of **Top** in the near future. Survey and applications oriented papers are welcome. To achieve this, we will have the assistance of a new board of Associate Editors, and we ask now for the support of all the authors and readers of **Top**, as well as of all the members of OR community.

Submission of papers

Manuscripts must be original and should be submitted to either of the new **Editors-in-Chief**:

Prof. Dr. Marco A. López-Cerdá

Departamento de Estadística e I.O.
Facultad de Ciencias
Universidad de Alicante
03071 Alicante, Spain
Phone: +34 965 903530, Fax: +34 965 903667
e-mail: marco.antonio@ua.es

Prof. Dr. Ignacio García-Jurado

Departamento de Estadística e I.O.
Facultad de Matemáticas
Universidad de Santiago de Compostela
15771 Santiago de Compostela, Spain
Phone: +34 981 563100, Fax: +34 981 597054
e-mail: ignacio@zmat.usc.es

Accepted papers of authors whose native language is not English might be subject to language editing. More information on the journal can be found at ulises.umh.es/top, the web site of **Top**, which also provides detailed **Information for Authors**.

The list of appointed **Associate Editors** is:

Ramón ÁLVAREZ-VALDÉS. Universitat de Valencia, Spain.
Julián ARAOZ. Universidad Simón Bolívar, Venezuela.
Jesús ARTALEJO. Universidad Complutense de Madrid, Spain.
Jaume BARCELÓ. Universitat Politècnica de Catalunya, Spain.
Emilio CARRIZOSA. Universidad de Sevilla, Spain.
Eduardo CASAS. Universidad de Cantabria, Spain.
Laureano ESCUDERO. Universidad Miguel Hernández, Spain.
Simon FRENCH. The University of Manchester, UK.
Miguel Ángel GOBERNA. Universidad de Alicante, Spain.
Monique GUIGNARD. University of Pennsylvania, USA.
Horst HAMACHER. Universität Kaiserslautern, Germany.
Onésimo HERNÁNDEZ-LERMA. Instituto Politécnico Nacional, Mexico.
Carmen HERRERO. Universidad de Alicante, Spain.
Joaquim JÚDICE. Universidade de Coimbra, Portugal.
Kristiaan KERSTENS. Université Catholique de Lille, France.
Nelson MACULAN. Universidad Federal de Río de Janeiro, Brazil.
Juan Enrique MARTÍNEZ-LEGAZ. Universitat Autònoma de Barcelona, Spain.
Jacqueline MORGAN. Università di Napoli Federico II, Italy.
Marcel NEUTS. University of Arizona, USA.
Fioravante PATRONE. Università di Genova, Italy.
Blas PELEGRÍN. Universidad de Murcia, Spain.
Frank PLASTRIA. Vrije Universiteit Brussel, Belgium.
Francisco Javier PRIETO. Universidad Carlos III de Madrid, Spain.
Justo PUERTO. Universidad de Sevilla, Spain.
Gerhard REINELT. Universität Heidelberg, Germany.
David RÍOS. Universidad Rey Juan Carlos, Spain.
Carlos ROMERO. Universidad Politécnica de Madrid, Spain.
Juan TEJADA. Universidad Complutense de Madrid, Spain.
Stef TIJS. Tilburg University, The Netherlands.
Andrés WEINTRAUB. Universidad de Chile, Chile.

Technical Editor

Antonio ALONSO. Universidad Rey Juan Carlos, Spain. a.alonso@escet.urjc.es

Volume 8, Number 1. 2000

<i>Contents</i>	<i>Page</i>
Coalitional Values for Cooperative Games with r Alternatives. M.J. Albizuri, J.M. Zarzuelo	1
Implementation of the r-value. G. Bergatiños, L. Méndez-Naya	31
Simple games on closure spaces. J.M. Bilbao, E. Lebrón, N. Jiménez	43
A Real Delivery Problem Dealt with Monte Carlo Techniques. P. Fernández de Córdoba, L.M. García-Raffi, A. Mayado, J.M. Sanchís	57
Multicommodity Long-Term Hydrogeneration Optimization with Capacity and Energy Constraints. J.A. González, N. Nabona	73
Multiobjective Fractional Programming with Generalized Convexity. R. Osuna-Gómez, A. Rufián-Lizana, P. Ruiz-Canales	97
Strategies of Node Selection in Search Procedures for Solving Combinatorial Optimization Problems : A Survey and a General Formalization. R. Pastor, A. Corominas	111
An Algorithmic Study of the Maximum Flow Problem: A Comparative Statistical Analysis. A. Sedeño-Noda, M.A. González-Sierra, C. González-Martín	135
Corrections to "Queueing Analysis of a Sequential Recognizer of Patterns", <i>Top (1998)</i>. A. Aissani, J.P. Asselin de Beauville	163