

[Silvano Martello](#) is Professor Emeritus at the University of Bologna. His main research focus is on combinatorial optimization, with special emphasis on packing, routing, and scheduling problems.

He is **author of the books** *Knapsack Problems: Algorithms and Computer Implementations* (Wiley, 1990) and *Assignment Problems* (SIAM, 2009; revised reprint 2012) as well as of the books (in Italian) *Il Problema dell'Assegnamento: Metodi ed Algoritmi* (National Research Council, Italy, 1984), *Ricerca Operativa* (Esculapio, Italy, 2014 and 2021), and *Ricerca Operativa per l'Economia e l'Impresa* (Esculapio, Italy, 2020).

He is **Editor of the books** *Annotated Bibliographies in Combinatorial Optimization* (Wiley, 1997) and *Meta-Heuristics: Advances and Trends in Local Search Paradigms for Optimization* (Kluwer, 1999). He also edited one volume of the *Annals of Discrete Mathematics*, seven volumes of the *Annals of Operations Research*, and twenty **special issues** of the journals *Computational Optimization and Applications*, *Discrete Applied Mathematics* (7 issues), *European Journal of Operational Research* (7 issues), *INFOR* (2 issues), *Journal of Combinatorial Optimization*, *Journal of Scheduling*, and *Optimization*.

He is **author** of over 200 **publications**, mostly appeared on high level international journals, such as: *ACM Transactions on Mathematical Software*, *Annals of Discrete Mathematics*, *Annals of Operations Research*, *Computer Networks*, *Computers and Industrial Engineering*, *Computers & Operations Research*, *Computing*, *Discrete Applied Mathematics*, *European Journal of Operational Research*, *Information Processing Letters*, *INFOR*, *INFORMS Journal on Computing*, *Journal of Combinatorial Optimization*, *Journal of Scheduling*, *Management Science*, *Mathematical Programming*, *Networks*, *Omega*, *Optimization Letters*, *Operations Research*, *Operations Research Letters*, *ORSA Journal on Computing*.

He delivered **invited plenary lectures** at major conferences in Austria, Belgium, Brazil, Canada, Chile, Croatia, Cuba, France, Germany, Great Britain, Italy, Japan, Mexico, Portugal, Russia, Slovenia, Spain, Tunisia, Turkey, Switzerland, and USA.

In 2012 he was appointed [IFORS Distinguished Lecturer](#). In 2018 he was awarded the [EURO Gold Medal](#), the highest scientific distinction within Operations Research in Europe

He chairs the EURO Working Group [European Chapter in Combinatorial Optimization](#), ECCO (1997-). He has been Vice-President of EURO, the [Association of European Operational Research Societies](#) (2014-2018), and Senior Fellow of the “Center for Management of Operations and Logistics” of the University of Texas at Austin (1996—1999). He is member of the [Academy of Sciences of the Institute of Bologna](#).

He is **Editor-in-Chief** of *4OR: A Quarterly Journal of Operations Research* (2003-), and has been Editor-in-Chief of *Ricerca Operativa* (1997-2002).

He is **Editor/Area Editor/Associate Editor/Advisory Editor** of *Advances in Operations Research* (2008–2017), *Computers & Industrial Engineering*, *Discrete Applied Mathematics*, *Discrete Optimization*, *EURO Journal on Computational Optimization*, *INFOR* (1991-2021), *Investigación Operativa*, *Journal of Heuristics* (1995-2018), *Journal of Operations and Logistics*, *SIAM Monographs on Discrete Mathematics and Applications* (1996-2006), *Yugoslav Journal of Operations Research*.

He received over 23,000 **citations** (source: Google Scholar, as of December 2022). His **Google Scholar h-index** is 62, his **Scopus h-index** is 40, his **WoS h-index** is 35. His **Erdos number** is 3.

Personal home page and full publication list:

http://www.or.deis.unibo.it/staff_pages/martello/cvita.html

Google Scholar profile: <http://scholar.google.it/citations?user=o4a20zsAAAAJ&hl=it&oi=ao>

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Silvano Martello (born in Bologna, Italy) is an Italian scientist and engineer, and an Emeritus Professor of [Operations Research](#) at the [University of Bologna](#).^[1] He is known for his research in [Operations Research](#)

Silvano Martello

and [Mathematical Programming](#). In particular, he made significant contributions in the areas of [knapsack](#) and [assignment problems](#), [packing problems](#), and [vehicle routing](#).^[2] As of 2023, he published 160 peer-reviewed articles and was cited more than 7000 times.

He was vice-president of the [Association of European Operational Research Societies](#) (EURO) from 2014 to 2017,^[3] and has been chairman of the [European Chapter on Combinatorial Optimization](#) (ECCO) since 1997.^[4]

He is editor-in-chief of [4OR](#), the joint official journal of the [Belgian](#), [French](#), and [Italian](#) Operations Research Societies.^[5]

Among his PhD students are Andrew H. and Ann R. Tisch Professor [Andrea Lodi](#)^[6] ([Cornell Tech](#)), and Professor [Mauro dell'Amico](#)^[7] ([University of Modena and Reggio Emilia](#)).^[8]

Education and early career^[edit]

Martello graduated from the University of Bologna with a degree in [Electronic Engineering](#) in



Silvano Martello in 2018

Born	Bologna, Italy
Nationality	Italian
Citizenship	Italian
Occupation	Emeritus Professor of Operations Research
Title	Emeritus Professor
Board member of	EURO, ECCO, AIRO
Awards	EURO Gold Medal, IFORS Distinguished Lecturer

Academic background

Education	University of Bologna
<u>Alma mater</u>	University of Bologna

Academic work

1973. He was an assistant and then an associate professor at the University of Bologna from 1980 to 1990. From 1990 to 1994 he was a full professor of Operations Research and Management Science at the [University of Turin](#). From 1994 to 2018 he was a full professor of Operations Research at the University of Bologna.

Awards^{[\[edit\]](#)}



Silvano Martello (right) receives the EURO Gold Medal Award from [Luk Van Wassenhove](#) (left).

- 2012 - [IFORS](#) Distinguished Lecturer.^{[\[9\]](#)}
- 2018 - Omega (journal) best paper award.^{[\[10\]](#)}
- 2018 - [EURO Gold Medal](#) from the [Association of European Operational Research Societies](#).^{[\[11\]](#)}

Books^{[\[edit\]](#)}

He is the co-author, with [Paolo Toth](#), of the book *Knapsack problems: Algorithms and Computer implementations* (John Wiley & Sons, Inc., 1990).^{[\[12\]](#)} He also co-authored, with [Rainer Burkard](#) and Mauro dell'Amico, the book *Assignment Problems* (SIAM, 2009).^{[\[13\]](#)}

Discipline	Operations Research
Sub-discipline	Combinatorial Optimization
Institutions	University of Bologna
Main interests	Knapsack Problem, Assignment Problem, Packing Problems, Routing Problems
Notable works	Knapsack problems: Algorithms and Computer implementations; Assignment Problems
Website	https://www.unibo.it/sitoweb/silvano.martello/en

References[[edit](#)]

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- ↑ "[Paolo Toth](#)". Scopus. Retrieved January 15, 2023.
- ↑ "[EURO - The Association of European Operational Research Societies - Previous members of the Executive Committee](#)". *www.euro-online.org*.
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- ↑ "[4OR - Editors](#)". Retrieved January 16, 2023.
- ↑ "[Andrea Lodi - Cornell University](#)". Retrieved January 15, 2023.
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- ↑ Reiner Burkard, Silvano Martello, and Paolo Toth (2009). *[Assignment Problems](#)*. SIAM. [ISBN 978-0-89871-663-4](#).

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