

1. Scientific Curriculum of the Principal Investigator

Federico Malucelli was born in Ferrara on April 7, 1962.

** Education

1993 Ph.D. in Computer Science - University of Pisa

1988 Laurea in Computer Science - University of Pisa

** Career

2002-today Full Professor of Operations Research, Politecnico di Milano, Italy

1998-2002 Associate Professor of Operations Research, Politecnico di Milano, Italy

1994-1998 Research Associate of Operations Research, University of Perugia, Italy

1992-1994 Research Associate of Operations Research, University of Pisa, Italy

** Scientific activity

Federico Malucelli has developed research activities in the area of combinatorial optimization, with particular emphasis on methodological and algorithmic aspects as well as the application and modeling aspects. The main investigated application fields are those related with transportation, logistics, telecommunications but also with health management and energy. He has also investigated innovative teaching techniques, leading to several pedagogical publications. He has published about 120 articles in international scientific journals and refereed conferences.

* Prizes and awards

2017: Best application award, AIRO with E. Tresoldi and S. Carosi for the delay and disruption management in local public transport

2017: Second position at the MINO challenge with E. Tresoldi

2014: Finalist at the best paper award of the Global Communications Conference (GLOBECOM), IEEE with F. Martignon and A. Capone

* International collaborations

He has collaborated with international researchers including: Davide Frey, Pierre Hansen, Rosa Herrero, Helena Ramalhinho Lourenço, Peter Värbrand, Di Yuan, Teodor Gabriel Crainic, Fausto Errico, Michel Gendreau.

* Short Visiting

He has visited several foreign universities and research laboratories, including:

1993, 2006: Visiting fellow at Centre de recherche sur les transports, Université de Montréal, Canada

2004: Visiting professor at Norrköping University, Sweden

2000: Invited researcher at Norrköping University, Sweden

1992: Visiting fellow at HP Laboratories Palo Alto, United States of America

Management Activities

2015-today: CEO of ICOOR interuniversity consortium

2008-2014: Member of ICOOR interuniversity consortium

2020: Co-Founder of the association "Metropoli di Paesaggio"

* Evaluation panels

2012: Referee for technology transfer projects of Provincia Autonoma di Trento.

2013, 2016: Referee for technology transfer projects of Regione Valle d'Aosta.

2020: Referee for technology transfer projects of Regione Campania.

* Committees

2005, 2017: Scientific Committee of the AIRO Conference

2002, 2005: Scientific Committee of the ALIO-EURO Conference

1999-2002: Steering Committee of the AIRO Conference

1999: Organizing Committee of the ALIO-EURO Conference

1996: Organizing Committee of the AIRO Conference

1993: Organizing Committee of the Netflow'93 Conference

** Research Projects

* International research projects

2018-2020: Research Unit coordinator of the project EIT-Climate KIC "Landscape Metropolis".

2017-2020: Research Unit coordinator of the project H2020, ELVITEN.

* Participation in national projects

2018-2020: Research Unit coordinator of project POLI-S, Ministero dell'ambiente

2010-2012: Research Unit coordinator of project PRIN 2008, MIUR

2007-2009: Research Unit coordinator of project PRIN 2006, MIUR

* Industrial experience in a consulting role

He has had industrial collaborations with ATM, AMAT, Alcatel, Maior, Softline, A2A, Speedy, FAI Service.

2020-2023: Speedy (co-supervision with Ola Jabali)

2019-2020: FAI Service (co-supervision with Ola Jabali)

2019-2020: A2A - Mathesia

2010-2018: MAIOR srl - ATM spa

2004-2007: AEM

2000-2011: Alcatel Italia