

Vito Fragnelli (<http://people.unipmn.it/fragnelli>) is Associate Professor of Operations Research (MAT/09) since 2006.

His scientific contributions are on Cost allocation problems, Operations Research games, Fair division, Electoral systems, Co-insurance games, Emergency management, Bankruptcy problems and Resource allocation with more than 100 papers, more than 60 of which on international journals and book chapters.

He is a member of the Editorial Board of Operations Research and Decision.

He was responsible of the research unit "Indices for evaluating electoral systems" (PRIN project 2003), of the research unit "Indices for evaluating the governability of a parliament" (PRIN project 2003), of the project "Games arising from Operations Research problems and cost allocation "in the "Integrated Actions Italy-Spain 2001" among University of Eastern Piedmont and University of Santiago de Compostela, of the research unit of the project DECEMBRIA (2008-2009) on medical emergencies; he was responsible also of several local projects of the University of Eastern Piedmont, among which "A weighted bankruptcy rules approach to 'Museum pass problem'"(2007-2009) with University of Santiago de Compostela (Spain) and "Game theoretical analysis of auction mechanisms and market situations" (2005-2006) with University of Elche (Spain) for International Mobility.

Chairperson of the International Meeting "Game Practice and the Environment" (Alessandria, 2002) and editor of the proceedings with C.Carraro in a dedicated volume of Edward Elgar and chairperson of the "Workshop on Simulation and other quantitative approaches to the assessment of electoral systems" (Alessandria, 2007) jointly with G.Ortona and guest editor of the proceedings in a special issue of AUCO Czech Economic Review.

Member of scientific committees of "Game Practice and the Environment" (Alessandria, 2002), "6th Meeting on Game Theory and Practice Dedicated to Development, Natural Resources and the Environment" (Zaragoza, 2006), "7th Meeting on Game Theory and Practice Dedicated to Development, Natural Resources and the Environment" (Montreal, 2007), "Workshop: Simulation and other quantitative approaches to the assessment of electoral systems" (Alessandria, 2007), "3rd Spanish, Italian, Netherland Meeting on Game Theory" (Madrid, 2007), "4th Spanish, Italian, Netherland Meeting on Game Theory" (Wroclaw, 2008), "5th Spanish, Italian, Netherland Meeting on Game Theory" (Amsterdam, 2009), "6th Spanish, Italian, Netherland Meeting on Game Theory" (Palermo, 2010), "7th Spanish, Italian, Netherland Meeting on Game Theory" (Paris, 2011), "9th Spanish, Italian, Netherland Meeting on Game Theory" (Vigo, 2013).

Invited speaker at "4th Twente Workshop on Game Theory" (Twente (NL), 2005), "Seminar on Neuroeconomics" (Milano (I), 2006), Workshop "Power, Games and Institutions" (Aaland (SF), 2008), "Workshop Voting, Power and Manipulation" (Prague (TCH), 2010), "Workshop Game Theory @ Universities of Milan" (Milano (I), 2011), Workshop "Models of Collusion, Games and Decisions for Applications to Judging, Selling and Voting" (Monteisola (I), 2012).

He gave lectures at Universities of Montreal (CAN), Santiago de Compostela (E), Elche (E), Tilburg (NL), Madrid (E), and several Italian Universities and association MATHESIS.

Visiting professor at Universidade de Santiago de Compostela (E) (1997, 1998, 1999, 2000, 2001, 2002, 2003, 2006, 2008, 2009, 2009, 2011), Tilburg University (NED) (1998, 1999), Universidad de Vigo (E) (1998), Universitas Miguel Hernandez de Elche (E) (2001, 2005, 2006, 2007), Universidad Complutense de Madrid (E) (2007), HEC Montreal (CAN) (2011), LAMSADE Paris (F) (2012).

Referee for Annals of Operations Research, AUCO Czech Economic Review, Central European Journal of Operational Research, Decision Support Systems, Discrete and Applied Mathematics, Economic Theory, Economics Letters, Environment and Planning A, European Journal of Operational Research, Games and Economic Behavior, Homo Oeconomicus, International Game Theory Review, International Transactions in Operational Research, Journal of Environmental Management, Journal of Optimization Theory and Applications, Management Science, Mathematical Methods of Operations Research, Operation Research and Decisions, Optimization, Optimization Letters, Physica A, Social Choice and Welfare, TOP, various special issues and volumes published by Kluwer Academic Publisher, Edward Elgar and Springer.

Reviewer of a proposal for Netherlands Organization for Scientific Research (NWO).

Advisory expert of the Procura della Repubblica at the Court of Torino.

Member of the Executive Council of AIRO from 2002 to 2008.

Italian Representative in the board of SING (Spain, Italy, the Netherlands Game theory).

Nominated member of the Center of Conflict Resolution (CCR) an interdisciplinary and international research network for solving (conflict resolution) or avoiding conflicts (conflict evasion) in economic, legal and social fields; of Working Group 7 (WG7) a 7-person international group of experts of electoral and voting systems; of the Steering Committee of Distretto Aerospaziale Piemonte.

Member of the commission for a position as Assistant Professor of Operations Research at Polytechnic of Milano (2005), University of Genova (2004), University of Torino (2002 and 1999).

Member of the Committee of Department of Sciences and Advanced Technologies of University of Eastern Piedmont from 1999 to 2001.

Representative of Assistant Professors at the Faculty Council of University of Eastern Piedmont from 1998 to 1999.

Expert member of the exam committee for "Dirigente dei Servizi di Informatica" at the Municipality of Genova (1988).

Promoter of the series Seminari Integrativi from 1999, for presenting concrete applications of Operations Research and Game Theory, making a reference point in the area of Alessandria.

Manager of the Pool Listing Service - Preprint of Game Theory from 2002.

Co-worker in the projects "Governability and power indices" International Mobility of University of Eastern Piedmont with Department POLIS (2006-2007), "Urban Road Pricing" with the research center Hermes in Torino (2005-2006). "MultiDisciplinary Optimization in Mission Analysis" with Department of Automatica and Computer Science of Polytechnic of Torino and Alenia Spazio (2004), PARTNER (5[^] Framework UE, 2003-2005), "Integrated Actions Italy-Spain" with Universitat of Elche (2003-2005), PRIN 2002 (2003-2004), PRIN 1998 (1999-2000), EuROPE - TRIP (4[^] Framework UE, 1997-1999). "Integrated Actions Italy-Spain" with Universidade de Santiago de Compostela (1998), Progetto Finalizzato Trasporti of the National Research Council, in several grants, research grant with Comitato Nazionale per l'Energia Nucleare (1981), research grant of National Research Council "Implementazione e sperimentazione numerica su supercalcolatori di algoritmi paralleli per sistemi lineari quadrati in dimensione elevata, derivanti da rilevamenti geodetici o spaziali, utilizzabili per la compilazione e l'aggiornamento di mappe o mappe spaziali" (1981), Progetto Strategico Calcolo Parallelo "Portabilità di paradigmi ed algoritmi per l'algebra lineare tra calcolatori paralleli" (1980),

Accountable of the seminar day "TU-Day 2012" (Alessandria, 2012) and "TU-Day 2002" (Alessandria, 2002), sessions "Game Theory I", "Game Theory II" and "Game Practice" at AIRO 2009 (Siena, 2009), sessions "Game Theory" and "Game Theory Practice" AIRO 2008 (Ischia, 2008), sessions "Game Theory 1", "Game Theory 2" and "Game Theory 3" at AIRO 2007 (Genova, 2007), sessions "Game Theory 1" and "Game Theory 2" at AIRO 2006 (Cesena, 2006), session "Game Theory" at AIRO 2005 (Camerino, 2005), session "Game Practice and Transportation" at XV Italian Meeting on Game Theory and Applications (Urbino - PU, 2003), session "Game Theory 1" at AIRO 2002 (L'Aquila, 2002).

Member of the organizing committee of "ORAHS 2010 - Operations Research Applied to Health Systems" (Genova, 2010).

Organizer and promoter of the Summer School " Game Theory and Operations Research " (Lavagna (GE), 2003), "Spring School on Cooperative Games and Operations Research" (Montreal - CAN, 2012) and Summer School "Game Theory and Models of Voting" (Campione d'Italia (CO), 2012).

Advisor of a PhD thesis in Mathematics at University of Milano on Voting Systems (2013) and of a PhD thesis in Mathematics at University of Genova on Fair Allocations (2013).

Member of the PhD tribunal at University of Chieti (2012), Universitat Politècnica de Catalunya (2011), University of Bergamo (2011), University of Trento (2010), Universitas Miguel Hernandez de Elche (E) (2001).

Referee of a PhD thesis in Mathematical Engineering at Polytechnic of Milano (2009) on Game theoretical analysis of gene data.

Co-organizer of the Master "Tecnologo di sistemi informativi territoriali applicati alla logistica a basso impatto ambientale" with center For.AI. of Alessandria (2004-2005), International Meeting AIROWinter 2005 (Cortina d'Ampezzo, 2005), Workshop on "State-of-art of capacity and charging methods in railways" (Genova, 2004) , International Meeting AIROWinter 2004 "Production and Logistics Network Optimization" (Champoluc, 2004), "Le Conferenze della

Facoltà di Scienze" (Alessandria, 2002), Workshop on "Game Theory Applied to Railway Transportation" (Genova, 2002), International Meeting Game Practice I (Genova, 1998), XII Meeting Teoria dei Giochi ed Applicazioni (Genova, 1998).

Member of the Game Theory Society, International Society for Dynamic Games, CIRO (Centro Interuniversitario per la Ricerca Operativa), AIRO (Associazione Italiana per la Ricerca Operativa), GNAMPA (Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni).

Teacher at the Summer School "Game Theory and Models of Voting" (Centro Volta, 2012), "Spring School on Cooperative Games and Operations Research" (University of Montreal, 2012), "Summer School REASONing under PARTial Knowledge" (University of Perugia, 2009), Course on "Transport Economics and Policy" organized by the research network TRANSPORTNET (University of Genova, 2008), "Summer School in Applied Environmental and Regulatory Economics" (Fondazione ambiente, 2008), Short Course "Introduction to Game Theory" (University of Roma - Tor Vergata, 2008), Scuola di Specializzazione all'Insegnamento Secondario (University of Genova, 2005, 2006, 2007, 2008), Laurea Specialistica in Ingegneria Gestionale (Polytechnic of Milano, 2007, 2008), Summer School "Game Theory and Law" (Centro Volta, 2005), Master "Decisioni economiche, responsabilità sociale e certificazione etica di impresa" (Istituto Universitario "C.Cattaneo", 2005), Master "Tecnologo di sistemi informativi territoriali applicati alla logistica a basso impatto ambientale" (Centro di Formazione For.Al., 2004-2005), Master "Decisioni economiche, responsabilità sociale e certificazione etica di impresa" (Istituto Universitario "C.Cattaneo", 2003-2004), IFTS "Tecnico Superiore di conduzione di cantiere" (Istituto "Leardi", 2003-2004), IFTS "Tecnico Superiore per la gestione di infrastrutture logistiche" (ENAIIP, 2003-2004), Master "Decisioni economiche e Strumenti di responsabilità sociale di impresa" (Istituto Universitario "C.Cattaneo", 2002), Master "Decisioni razionali e Analisi del rischio assicurativo e finanziario" (Provincia di Treviso and Libero Istituto Universitario "C.Cattaneo", 1999),

Master "Teoria delle Decisioni" (Libero Istituto Universitario "C.Cattaneo", 1997, 1998, 1999).

Teacher in degree courses on Operations Research, Game Theory, Mathematical Models applied to Logistics, Financial Mathematics, Microeconomics, Geometry, Calculus and Computer Programming for Mathematics, Computer Science and Political Science.

Didactical seminars on Urban Transportation Systems, Linear Programming, Graph Theory and Network Theory for Mathematics and Computer Science.