

Mauro Mancini

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Politecnico di Milano

Mauro Mancini, associate professor at the Dept. of Management, Economics and industrial Engineering at Politecnico di Milano, teaches **Industrial Plants** and **Project Management** at master and bachelor degree program of Politecnico di Milano (Mechanical, Management, Civil, Energy and Aeronautic degrees). He teaches managerial topics (mainly Project Management related) at MIP (the Business School of Politecnico di Milano) in different Master Programs (Master in Strategic Project Management European, Master in Business Administration, Executive Master in Business Administration, Master in Project Management, Master in Nuclear Plant Construction Management). He is also an independent consultant in mitigation processes.

He is the **dean** of the Master in **Nuclear Plant Construction Management** and of the **European Master in Strategic Project Management** (jointly developed by Politecnico di Milano-Italy-, Heriott Watt- United Kingdom, Umea –Sweden).

He has trained senior project managers of the main Engineering and Contracting companies, e.g. Techint, Saipem, Tenova, Ansaldo Energia, Aermacchi, Agusta, Autostrade per l'Italia, ENEL, ENI, Otomelara, Selex Sistemi Integrati, and ABB.

Since 2012 he has been the **Chair of the Construction Chapter of ANIMP** (Associazione Nazionale Impiantistica Italiana), an industrial Italian association that gathers all the Main Contractors and Manufacturers of the Engineering and Contracting Sector.

The main research interest are Project and Program Management, Risk Management, Industrial Plant Management, Modularization, Building Information Management and decision support system for investment decisions. The main context of analysis are Oil and Gas, Energy, Military and civil Sector. Author of more than 100 international publications in Project Management, Operation Management and Megaproject.

TEACHING ACTIVITIES AT POLITECNICO DI MILANO (P: professor; AP assistant professor)

Academic year	Mechanical Plant Laboratory (MI)	Engineering Project Management (MI)	Industrial Plants (LC)	Logistic and Maintenance (PC)	Service Plants (MI)	Industrial Plants Laboratory (CR)	Industrial Plants and Logistics (MI)	Industrial Plant Management (CO)	Industrial Plants (MI)	Project Management (CO)	Mechanical Plants (MI)	Project Management in Aerospace (MI)
2001-'02	P	AP	AP									
2002-'03		AP	AP	AP	AP	P	P					
2003-'04		AP	AP				P	P				
2004-'05		AP	AP				P	P				
2005-'06		AP					P	P	AP			
2006-'07		AP					P	P	AP			
2007-'08		AP					P	P	AP			
2008-'09							P			P		
2009-'10										P	P	
2010-'11										P	P	
2011-'12										P	P	
2012-'13										P	P	P
2013-'14										P	P	P
2014-'15										P	P	P

RESEARCH ACTIVITIES AT POLITECNICO DI MILANO

Involved to following research project at first under the Mechanical department (till November 2001) and then under the Dep. Management, Economics and Industrial engineering:

- “Project Risk analysis” committed by Fondazione De Januario (genn 1998 – dic 2009)
- “PRIMA – Project Risk Management”, ESPRIT Project (IST – 1999 - 10193), Coord. Alcatel Space Industries.
- “Maintenance policies and cost for public transport system” committed by Azienda Trasporti Milanesi. (apr. 1999- oct.2001)
- “MURST 5% Methods and systems for decision support systems. Bayesian statistics in bidding process (jun 2001- apr 2004)
- “Steam generator components supply chain” - Part 1 - committed by EUROTUBI S.p.A. - Consorzio Politecnico Innovazione (responsible) (apr 2001 - jun 2001)
- “Steam generator components supply chain” Part 2 – committed by EUROTUBI S.p.A. Consorzio Politecnico Innovazione (responsible) (feb 2002-may 2002)
- “Foodynamo project: how to increase picture for Italian olive oil” committed by Regione Liguria (oct 2006 – dic 2007)
- “Risk prevention in Small Medium Enterprises of the mechanical sector” committed by Istituto Italiano di Medicina Sociale (dec 2008-may 2011)
- “Layout design for the new Vito Rimoldi industrial plant” committed by Vito Rimoldi S.p.A. (responsible) (dic 2009- luglio 2010)
- Vice Chair COST ACTION TU 1003 “MEGAPROJECT: The Effective Design and Delivery of Megaprojects in the European Union” (may 2011 – april 2015)

List of Mauro Mancini’s Publications

Books, national edition (LN #4)

- LN 4 Cagno E., Mancini M., Miragliotta G., Trucco P., *Esercizi di impiantistica industriale*, Ed CUSL 2011 ISBN 9788881326020.
- LN 3 Caron F., Mancini M., *“Tecniche e strumenti per la gestione dei progetti”*, CUSL, Milano, Italia, 2004.
- LN 2 Cagno E., Caron F., Mancini M., Perego A., *“Gestione dei Progetti di Impianto: Esercitazioni”*, CUSL, Milano, Italia, 1999.
- LN 1 Cagno E., Caron F., Mancini M., Perego A., *“Gestione dei Progetti di Impianto: Esercizi”*, CUSL, Milano, Italia, 1999.

Chapter on international books (CLI #6)

- CLI 6 M. Mancini, N. Careri *“Survey in Plant modularization” - Advances in Plant modularization- AAVV. Milan Under press*
- CLI 5 G. Locatelli, M. Mancini, 2011 *“Emergency planning zone: constraints and opportunities for the development of Nuclear energy and exploitation of its process heat” - Energy Resources: Development, Distribution, and Exploitation. Novapublisher. ISBN - 10: 1613245203 ISBN - 13: 978 - 1613245200*
- CLI 4 G. Locatelli, M. Mancini, 2010 *“How Small Firms in the High Quality Food Sector Can Improve Their Business Performance: The Ligurian Oil Case Study” - Business Performance Measurement and Management Pages 89-101 – Edizioni Springer Berlin Heidelberg – 2010 - edited by P. Taticchi ISBN 978-3-642-04799-2 (Print) 978-3-642-04800-5 (Online)*
- CLI 3 P. Trucco, P. Garrone, G. Locatelli, M. Mancini, M. Ricotti, 2007 *“Nuclear renaissance: An assessment of small-medium, integrated and modular plants ” - Investments and service quality in the electricity industry –Edizioni Franco Angeli – edited by P. Garrone- Codice ISBN 13: 9788846496225*
- CLI 2 Cagno E., Caron F., Mancini M., Pievatolo M., Ruggeri F., *“Bayesian Assessment of Corrosion-Related Failures in Steel Pipelines” Safety and Reliability, pagg 347-351, Swets & Zeitlinger – Balkema Publisher, 2002*
- CLI 1 Cagno E., Caron F., Mancini M., Ruggeri F., *“Sensitivity of Replacement Priorities for Gas Pipelines Maintenance” in “Robust Bayesian Analysis”, Ruggeri F. e Rios Insua D. (eds.), Springer Verlag, New York pagg.335-350, Stati Uniti d’America, 2000.*

Chapters on national books (CLN #2)

- CLN 2 Carelli M., Garrone P., Locatelli G., Mancini M., Ricotti M. Trucco P., *“Nuclear Renaissance: an Assessment of Small-Medium, integrated and modular plants” Investments and service quality in the Electricity Industry, Garrone P., Franco Angeli Editori 2007. Pagg. 163-192 ISBN 9788846496265*
- CLN 1 Cagno E., Caron F., Mancini M., *“Metodologia per il Supporto Decisionale agli Interventi di Rinnovo e Monitoraggio di una Rete di Distribuzione del Gas in Ambito Urbano”*, in *“La gestione dell'emergenza nella distribuzione cittadina del gas - Linee guida per un approccio razionale”*, S. Bosetti (ed.), FrancoAngeli, Milano, 2000.

International journals (RI #26)

- RI 26 G. Locatelli, M. Mancini, E. Romano. *“Systems Engineering to improve the governance in complex project environments”*. International Journal of Project Management. (2014) ISSN: 0263-7863 DOI: 10.1016/j.ijproman.2013.10.007 (Article in Press)
- RI 25 G. Locatelli, C. Bingham, M. Mancini, *“Small modular reactors: A comprehensive overview of their economics and strategic aspects”*. Progress in Nuclear Energy, (2014) 73. pp. 75-85. ISSN: 0149-1970
- RI 24 G. Locatelli, M. Mancini, N. Todeschini. *“Generation IV nuclear reactors: current status and future prospects”*. Energy Policy, (2013) 61. pp. 1503-1520. ISSN: 0301-4215
- RI 23 G. Locatelli, M. Mancini *“Sustainability in the power plant choice” International Journal of Business Innovation and Research. (2013) 7 (2). pp. 209-227. ISSN: 1751-0252*

- RI 22 G. Locatelli, M. Mancini "How EPC firms can enter the nuclear renaissance". *Organization, Technology & Management in Construction: An International Journal*, (2012) 4 (2). pp. 534-551. ISSN: 1847-5450
- RI 21 G. Locatelli, M. Mancini "Looking back to see the future: Building Nuclear Power Plants in Europe" *2012 Construction Management and Economics*. Vol. 30, No. 8, 2012, pp. 623 - 637
- RI 20 G. Locatelli, M. Mancini "A framework for the selection of the right nuclear power plant". 2012. *International Journal of Production Research*. DOI: 10.1080/00207543.2012.657965 In Press - Available online: 26 Apr 2012
- RI 19 S. Boarin, G. Locatelli, M. Ricotti, M. Mancini, "Financial case studies on Small-Medium sized Modular Reactors" *Nuclear Technology*, Vol. 178, No. 2, May 2012, pp. 218-232 ISSN: 0029-5450
- RI 18 G. Locatelli, M. Mancini, L. Scalet "Project controlling in mega events: the EXPO 2015 case", *Project Perspectives* 2012. Pages 58-65. ISSN: 1455-4178
- RI 17 G. Locatelli, M. Mancini "Large and small baseload power plants: drivers to define the optimal portfolios" *Energy Policy*. Volume 39, Issue 12, December 2011, Pages 7762-7775, ISSN: 0301-4215
- RI 16 G. Locatelli, M. Mancini "The role of the reactor size for an investment in the nuclear sector: an evaluation of non-financial parameters". *Progress in Nuclear Energy*. *Progress in Nuclear Energy*, Volume 53, Issue 2, March 2011, Pages 212-222
- RI 15 G. Locatelli, M. Mancini "Small-medium sized nuclear coal and gas power plant: A probabilistic analysis of their financial performances and influence of CO2 cost". *Energy Policy*, Volume 38, Issue 10, October 2010, Pages 6360-6374. ISSN 0301-4215
- RI 14 G. Locatelli, M. Mancini "Competitiveness of small-medium, new generation reactors: a comparative study on decommissioning" *Journal of Engineering for Gas Turbines and Power*. October 2010, Vol. 132. ISSN 0742-4795
- RI 13 G. Locatelli, M. Mancini "Risk management in a mega-project: the Universal EXPO 2015 Case" *International Journal of Project Organisation and Management*. 2010, Vol. 2, No.3 pp. 236 - 253. ISSN 1740-2891
- RI 12 I. Ruuska, T. Ahola, K. Artto, G. Locatelli, M. Mancini, "A new governance approach for large projects: Lessons from Olkiluoto 3 and Flamanville 3 nuclear power plant projects" *International Journal of Project Management*. Aug 2011, Volume: 29 Issue: 6 pp.647-660.
- RI 11 M.D. Carelli, P. Garrone, G. Locatelli, M. Mancini, C. Mycoff, P. Trucco, M.E. Ricotti, 2009 "Economic features of integral, modular, small-to-medium size reactors". *Progress in Nuclear Energy*. Volume 52, Issue 4, May 2010, Pages 403-414. ISSN 0149-1970
- RI 10 Cagno E., Caron F., Mancini M., "Dynamic analysis of project risk" *International Journal of Risk Assessment and Management - Volume 10, Issue 1-2, November 2008, Pages 70-87, ISSN-1466-8297*
- RI 9 Cagno E., Caron F., Mancini M., "A Multi-Dimensional Analysis of Major Risks in complex projects", *Risk Management*, 2007, Vol 9., pagg. 1-18 - Palgrave MacMillan Publisher. ISSN 1460-3799
- RI 8 Palomo J., Ruggeri F., Rios Insua D., Cagno E., Caron F., Mancini M., "On Bayesian forecasting of procurement delays: A case study" *Applied Stochastic Models in Business and Industry - 2006; Vol.2 pagg181-192 ISSN 1526-4025*
- RI 7 Cagno E., Caron F., Mancini M., "Estimación de Costos de Riesgo Industrial en el Pro-ceso de Licitación (Cost Estimation of Industrial Risk in the Bidding Process)", *VirtualPro*, ISSN 1900-6241, www.revistavirtualpro.com, 55, August, 2006.
- RI 6 Cagno E., Caron F., Mancini M., "A Bayesian Approach for the Bidding Phase to Estimate the Cause Probability of an Uncertain Event" *Project Management*" pagg 82-87, IPMA, 2002
- RI 5 Cagno E., Caron F., Mancini M." Risk Analysis in plant commissioning: The Multilevel Hazop" *Reliability Engineering & System Safety*, 77(3) pagg 309-323, Elsevier Science B.V, 2002
- RI 4 Cagno E., Caron F., Mancini M., "Risk Analysis to Assess Completion Time of a Tram-Line" *Project Management*" Vol 7 pagg 26-31, IPMA, 2001
- RI 3 Cagno E., Caron F., Mancini M., Ruggeri F., "A Robust Bayesian Approach to Support the Replacement Policy in an Urban Gas Distribution Network", *Reliability Engineering & System Safety*, 67(3), 2000.
- RI 2 Cagno E., Caron F., Mancini M., "Cost Estimate of Industrial Risk Analysis in the Bidding Process", *SENET Review*, 1, 2000.
- RI 1 Cagno E., Caron F., Mancini M., "Using AHP in determining the prior distributions on gas pipeline failures in a robust Bayesian approach", *Reliability Engineering and System Safety* 67 (3) , pp. 275-284. ISSN 0952-8320