

CURRICULUM VITAE ROBERTO PIETROFORTE

ISTRUZIONE E FORMAZIONE

- 1992 Ph.D., Construction Engineering and Management, Dipartimento di Ingegneria Civile, Massachusetts Institute of Technology, Cambridge, USA.
- 1987 Master of Science, Civil Engineering, Dipartimento di Ingegneria Civile Massachusetts Institute of Technology, Cambridge, USA.
- 1987 Master of Science, Architecture Studies (Tecnologia dell'architettura), Dipartimento di Architettura, Massachusetts Institute of Technology, Cambridge, USA.
- 1974 Laurea in Architettura, Universita' di Rome, Italy, 110/110.

SPECIALIZZAZIONE

Organizzazione ed economia dell'industria delle costruzioni ed imprese, ingegneria e management del processo edilizio, sistemi di prefabbricazione, progettazione tecnologica, mercato internazionale delle costruzioni

INSEGNAMENTO

Carriera accademica presso il Worcester Polytechnic Institute (WPI)

- 2016 Professore Emerito, Dipartimento di ingegneria civile ed ambientale.
- 2012 Direttore del programma Architectural Engineering, Dipartimento di ingegneria civile ed ambientale.
- 1999 Professore Associato (con ruolo), Dipartimento di ingegneria civile ed ambientale.
- 1993-99 Assistant Professor, Dipartimento di ingegneria civile ed ambientale.
- 1992-93 Assistant Professor visitatore, Dipartimento di ingegneria civile ed ambientale.

Insegnamento presso altre universita' (Vedi allegato 1)

Corsi insegnati presso WPI

Prima laurea (4 anni)

- Cost Estimating and Control
- Legal Issues in Design and Construction
- Architectural Engineering Systems (CE 3023)
- Project Evaluation (Ingegneria economica)
- Introduction to Civil Engineering
- Architectural Engineering : History ad Practice

Laurea magistrale

- Advanced Project Management
- Construction Failures: Analysis and Lessons
- Building Systems

Approntamento di material didattico per il corso di Project Management/ Building Systems

Il mio insegnamento (corsi della laurea magistrale) si basa sul metodo del case study (tipo Harvard Business School). Il metodo presenta situazioni decisionali che avvengono durante la progettazione e costruzione di un progetto. I casi sono tratti dall' esperienza professionale del sottoscritto. I 10 casi elencati presentano problemi della pratica che generalmente non sono contenuti nei libri di testo.

- "Simmons Hall at MIT"
- "Mastro and Super: A case study of international collaboration"
- "Rowes Wharf: A case study in substructure decision making"
- "The case of client concern: Negotiating a change in construction"
- "Foundation decision making: A case study of Monarch Place"
- "How do we get there from here? A case study in fast-track construction"
- "Decision for cladding: A case study of the Two-Twenty-Two Berkeley Street building"
- Building Innovation Alliances on Complementary Competences: Part One: The Beacon Case Study
- Building Innovation Alliances on Complementary Competences: Part Two: Part Two: The Dioguardi Case Study.
- Building Innovation Alliances on Complementary Competences: The Beacon and Dioguardi Case Study, Teaching notes.

Corsi insegnati presso altre universita' (Vedi allegato 2)

PUBBLICAZIONI

La mia attività di studioso è documentata da più di 100 pubblicazioni. Molti dei miei papers sono stati pubblicati in riviste accademiche internazionali tra le più importanti del settore construction management e tecnologia edilizia. Circa 65 papers sono stati soggetti ad una (double blinded) peer review.

Google Scholar: Citazioni (1620); H Index (18)

Vedi allegato 3 per lista completa delle pubblicazioni

ATTIVITA' PROFESSIONALE

Consulenze

I supplement my academic and theoretical expertise by continuing to stay active in consulting. These activities ensure that my teaching and research are well-grounded in the actual practice.

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|--------------|---|
| 2006-to date | Totem-Vaz Inc., Economic feasibility studies of photovoltaic power plants in Italy and Greece. |
| 1995-99 | Beacon Construction Inc. and Dioguardi Jont Venture. Construction of the Italian Chancery, Washington (DC). Liaison with the Italian Ministry of Foreign Affairs. Expedited change orders and contractual claims. |
| 1993-4 | Beacon Construction Inc. Exploratory study for the development of a strategic alliance with an Italian construction firm. |
| 1990 | International Masonry Institute Inc. Study of the possible market demand of bricks following material substitution. |
| 1981 | Autonomous Institute for the Study of the South (Italy). Feasibility study of the methane gas applications to residential construction. |
| 1980 | SACEP SpA (Italy). Royalty appraisal of a prefabricated building system. |

Esperienza progettuale: progetti completati

Before moving to the USA, I practiced the architectural profession in Italy.

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|---------|---|
| 2004-06 | Consulate General of Italy in Boston. Planning, design and construction supervision of the new premises |
| 1980-89 | Roseto degli Abruzzi High School, Roseto degli Abruzzi, Italy, (Co Principal in charge) |
| 1981 | Marino Community Nursery School, Marino, Italy, (Principal-in charge) |

1978 Urban Plan for 500 Public Housing Units, Guardavalle, Italy, (Co Principal-in charge)

Esperienza progettuale: concorsi

A professional design career builds upon the participation in architectural design competitions. Some of these projects were featured in exhibitions and have been published in books and journals.

1989

- First Prize. Design competition for the piazza Dante, Genoa, Italy, November, (Team consultant in cost engineering, to Machado and Silvetti Associates)

1980

- Second Prize. Design competition for a student housing unit in Teramo, Italy, May, (Co Principal in charge)
- Honorable mention. Design competition for a high school, Acquafredda, Rome, Italy, February, (Team member)
- Honorable mention. Design competition for a high school, Maccarese, Rome, Italy, February, (Team consultant in prefabricated components)
- Honorable mention. Design competition for a high school, Corviale, Rome, Italy, February, (Team member)

1978 First Prize. Design competition for a high school, Roseto degli Abruzzi, Italy, Italy, May, (Co Principal in charge)

1977 Honorable mention. Design competition for a playground and sports facilities project, Bari, Italy, July 1977, (Principal in charge).

PRESENTAZIONI

Incontri professionali ed eventi accademici sono stati l'occasione per presentare i risultati dei miei studi ed attività'. Ho partecipato a riunioni organizzative di importanti gruppi internazionali che si occupano di construction management ed economia delle costruzioni. Escludendo i convegni, ho fatto circa 50 presentazioni e seminari (su invito) .

Vedi allegato 4 per una lista complessiva (ma non esaustiva) delle presentazioni

ONORIFICENZE E PREMI

- 2007 Cavaliere Ufficiale della Repubblica (Officer Knight of the Republic of Italy). The rank was bestowed for extraordinary academic and professional contributions to the Republic of Italy by the end of 2007.
- 2002 Award for service presented by the Friendly House (Charity Institution in Worcester) in recognition of past assistance, January 23, 2002
- 2001 The paper, "Subcontracting practice in USA homebuilding: An empirical verification of Eccles' findings twenty year later", (Costantino N. and Pietroforte R.) received the Best Paper Award (Project-based Industry Theme) at the 10th International Annual IPSERA Conference, April 8-1, 2001 Jönköping, Sweden.
- 1996 Advisor to the Provost's awarded MQP "Coachusset Church", May 1996.
- 1995 Advisor to the Provost's awarded MQP "Addition to Holden Chapel", May 1995.
- 1994 Co-Advisor to the Provost's awarded MQP "Structural Design Comparisons for an Office Building", May 1994.
- 1988 Tucker Voss Award, Excellence in Building Construction, MIT, Department of Civil Engineering, 1988.
- 1986 Excellence in Construction Technology, Construction Specification Institute (Boston Chapter), 1986 87.

Riconoscimenti

- 2007 Scientific Advisory Committee member, CME25: Construction Management and Economics: past, present and future, 16-18 July 2007, University of Reading, Reading, UK
- 2006 Scientific Advisory Committee member, Second International ArTec Congress, 9-11 November 2006, Polytechnic of Turin, Italy.
- 2006 Interview, "The return of brains to Italy", RAI (National Italian TV Broadcasting) TG3, 10-minute interview, 26 April 2006

ISCRIZIONE E POSIZIONI PRESSO ISTITUZIONI PROFESSIONALI

- Italian Charter of Architects, member, 1976-1985
- American Society of Civil Engineers, Associate member, 1993-

- American Society of Civil Engineers, Architectural Engineering Division, Commercial Buildings Committee, member, 1994-
- International Council for Building Research Studies and Documentation, Working Commission 92 Procurement Systems, member, 1997-
- International Council for Building Research Studies and Documentation, Working Commission 65 Organization and Management of Construction, member, 1997-
- International Council for Building Research Studies and Documentation, Working Commission 55 Building Economics, member, 1997-
- Construction Institute (American Society of Civil Engineers), member, 2001-

EDITORIAL, CONFERENCE ORGANIZATION, AND REFEREE SERVICES

Referee services

- Journal of Construction Procurement, technical reviewer, 1997-
- Construction Management and Economics, technical reviewer, 1996-
- Journal of Performance of Constructed Facilities, ASCE, technical reviewer, 1999-
- Journal of Management in Engineering, ASCE, technical reviewer 2003-
- Building Research and Information, technical reviewer 2003-
- Construction Management and Economics, technical reviewer, 2002-
- Australian Journal of Construction Economics and Building, technical reviewer, 2005-
- John Wiley, technical reviewer, 2005.
- Journal of Construction Engineering and Management, technical reviewer, 2005-
- Transactions, Hong Kong Institution of Engineers, technical reviewer, 2005-
- Research Grants Office of the Polytechnic of Turin (Italy), technical reviewer, 2001.
- Research Grants Council of Hong Kong, technical reviewer, 1997-2004.

Editorial Services

- Construction Management and Economics, Editorial board member, 2007-
- Australian Journal of Construction Economics and Building, Editorial board member, 2005-

Service to conferences

- 2007 Scientific Advisory Committee member, CME25: Construction Management and Economics: past, present and future, 16-18 July 2007, University of Reading, Reading, UK
- 2006 Scientific Advisory Committee member, Second International ArTec Congress, 9-11 November 2006, Polytechnic of Turin, Italy.
- Chair, Organizational committee of the CIB W65/55/87 Symposium, October 2006, Rome (Italy).
- 2005 Session moderator, CIB W65/55 Symposium, June 13-16, 2005, Helsinki, Finland.

Session moderator, CIB W65/55 Symposium, September 13-15/2000, Reading, UK

Workshops

- 2006 Chair, “What is our theory of production, and how can we develop it further?”, Workshop held at the Joint 2006 W065/W055/W086 Symposium, October 18, 2006, Rome.
- 2005 Panelist in the workshop, New Conceptions on Production Management, CIB W55 and W65 11th Symposium, June 14, 2005, Helsinki, Finland.
- Panelist in the Global Summit on Construction Industry R&D Strategies and Their Transnational, Co-operative Implementation, June 15, 2005 Helsinki, Finland.
- 2004 Panelist in the workshop CIBT6, Revaluing the Construction Agenda, CIB World Congress, May 4, 2004, Toronto, Canada
- Panelist in the workshop, Revaluing Construction, MIT, July 13, 2004
- 1999 Panelist in the Symposium “Design, Construction and the Internet”, Harvard University, April 23-25, 1999.
- 1998 Co-organizer of workshop for the panel of the NCHRP 20-46 Research Project, WPI, November, 1998, (with El-Korchi)
- 1995 Panelist, “Effective Teaching of Design”, Department of Mechanical Engineering, WPI, 11/30/1995

ALLEGATO 1

Esperienze di insegnamento presso altre universita'

- 2006-2009 Visiting Professor, Department of Mechanical Engineering, Polytechnic of Bari (Italy), March-June 2006, 2007, 2008 and 2009. Programma rientro dei cervelli.
- 2003-04 Visiting Professor, Construction Engineering and Management program, Malaysia University of Science and Technology, Kuala Lumpur, Malaysia, Summer 2003 and 2004.
- 2002 Visiting Professor, Department of Mechanical Engineering and Management, Polytechnic of Bari, Italy, Spring 2002
- 1988-89 Instructor, Department of Civil and Environmental Engineering, M.I.T.
- 1985-88 Teaching Assistant, Department of Civil and Environmental Engineering, M.I.T.
- 1986 Instructor, School of Architecture and Planning, M.I.T.
- 1984 Teaching Assistant, School of Architecture and Planning, M.I.T., Fall 1983 and Spring 1984
- 1980-82 Professore a Contratto, School of Architecture, University of Reggio, Calabria, Italy
- 1978 Instructor, Public Facilities Department of Catanzaro, Italy, Spring 1978

ALLEGATO 2

Corsi insegnati presso altre universita'

2006-09	Economia ed organizzazione aziendale, (Polytechnic of Bari, Italy)
2003-04	Project Management (MUST, Kuala Lumpur, Malaysia) Project Technology (MUST, Kuala Lumpur, Malaysia)
2002	Project Management of Complex Projects (Polytechnic of Bari, Italy)
1989	Construction Industry Organizations (MIT, Cambridge USA)
1989	Construction Technology and the Development Process (MIT, Cambridge USA)
1986	Building Systems II (MIT, Cambridge USA)
1980-82	Tipologia strutturale (University of Reggio Calabria, Italy)
1978	Tecniche di rilevamento (Public Facilities Department of Catanzaro, Italy)

ALLEGATO 3

PUBBLICAZIONI

Books

- 2006 Pietroforte R., De Angelis E. and Polverino F. (eds), *Construction in the XXI century: Local and global challenges*, ESI, Naples, Italy, 2006.
- 1997 Pietroforte R., *Building International Construction Alliances*, E & FN SPON, London, UK, 1997. *The manuscript of this book has been peer reviewed.*
- 1984 Pietroforte R., *Processo edilizio in Nord America (Building Process in North America)*, Casa del Libro, Rome, Italy, 1984.
- 1982 Pietroforte R. (editor) *Industrializzazione e progetto (Industrialization and Design)*, Casa del Libro, Rome, Italy, 1982.

Book/chapters

- 2009 Sancilio S., Dibari G, Costantino N. and Pietroforte R., “A multinational comparison of concentration ratios in the construction market”, in *Performance Improvement in Construction Management*, Atkin B and Borgbrant J editors, Spon Press, 2009.
- 2005 Costantino N. and Pietroforte N. , “The diffusion of e-commerce applications in the construction industry: empirical evidence from USA”, in Ancarani A. and Raffa M. (eds), *Sourcing Decision Management*, ESI, Naples, Italy, 2005.
- 2002 Pietroforte, R and Dluhosch E., “Building systems and materials”, *Encyclopedia Entry*, Elsevier, 2002, 1:823-833
- 1996 Bon R., *Economic structure and maturity*, Ashgate Publishing Ltd, Andershot, UK, 1999. *In this book R. Pietroforte is co-author of the following 6 chapters:*
- Chapter 8, “Comparative stability analysis of demand-side and supply-side input-output models: The case of Italy”.
 - Chapter 13, “Historical Comparison of Construction Sectors in the United States, Japan, Italy, and Finland Using Input-Output Tables”.
 - Chapter 16, “New construction versus maintenance and repair construction technology in the US since World War II”.
 - Chapter 17, “An input-output analysis of the Italian construction sector, 1959-1988”.
 - Chapter 19, “The Italian residential construction sector: An input-output historical analysis”.
 - Chapter 20, “Regional development and construction in Italy: An input-output analysis, 1959-1992”.

- 1982 Pietroforte R., "Note sulla residenza universitaria: l'esempio dell'URBS negli USA" (Notes on Student Housing: the Example of URBS in the USA), in Sposito A., Componentistica come artificio, Facolta' di Architettura, Palermo, Italy, 1982.

Peer reviewed (full manuscript) publications: Manuals

- 2000 Pietroforte R., Dharankar R. and El-Korchi, T., Systems approach to evaluating innovations for integration into highway practice, NCHRP Report 442, National Research Council, 2000, Washington.

Peer reviewed (full manuscript) publications: Journal papers

- 2015 Gregori T. and Pietroforte R., An input-output analysis of the construction sector in emerging markets, *Construction Management and Economics*, 33(2), 134-145.
- 2014 Berardi U., El Korchi, Pietroforte R., Acoustic and lighting education in architectural engineering, *Journal of Architectural Engineering* (ASCE), 20(2),
- 2012 Costantino N., Falagario M., Sciancalepore F. and Pietroforte R., Using a DEA-Cross Efficiency approach in public procurement tenders, *European Journal of Operational Research*, Vol. 218(2), pp. 523-529, 2012.
- 2012 Pietroforte R., Tombesi P. and Liebicz D., Are physical mockups still necessary to complement visual models for the realization of design intents? *Journal of Architectural Engineering* (ASCE), 18(1). 34-41, 2012
- 2012 Pellegrino R., Costantino N., Pietroforte R., and Sancilio S., Construction of multi-story concrete structures in Italy: Patterns of productivity and learning curves, *Construction Management and Economics*, 30(2), 103-115, 2012.
- 2012 Falagario M., Sciancalepore F., Costantino N. , Pietroforte R., Using a DEA-cross efficiency approach in public procurement tenders, *European Journal of Operation Research*, 218 (2), 523-529.
- 2011 Costantino N., Pellegrino R. and Pietroforte R., Asset Specificity and Specialization in the U.S. Construction Industry: A Transaction Cost Theory Interpretation, *International Journal of Construction Management*, Vol.11 (4), pp.13-30, 2011.
- 2009 Pietroforte R. Gregori T., Falagario M., The changing structure of the U.S. construction industry: A longitudinal analysis, *Construction Management and Economics*, October-December 2009, 27, 1088-1098.
- 2007 Giannoccaro R., Costantino N., Ludovico AD, and Pietroforte R., Measuring citizen satisfaction with aspects of public services from a local authority and determining their importance: a case study, *Public Organization Review*, 8(1), 1-15, 2008.

- 2006 Pietroforte R. and Gregori T., Does form follow share? The case of the Danish construction industry, *Construction Management and Economics*, 24, (7), July 2006.
- Costantino N. and Pietroforte R., “The adoption rate of e-commerce in the US and Italian construction markets: some reason for its variability, *Electronic Journal of Information Technology in Construction* , Vol.11, April 2006.
- 2005 Pietroforte R. and Aboulezz M.A., The ASCE Journal of Management in Engineering: A review of the years 1985-2002”, *Journal of Management in Engineering*, 21 (3), 2005.
- 2004 Costantino N. and Pietroforte R., Production arrangements by US building and non-building contractors: Un update, *Construction Management and Economics*, 22 (3), 2004.
- Pietroforte R. and Stefani T.M., The ASCE Journal of Construction Engineering and Management: A review of the years 1983-2000, *Journal of Construction Engineering and Management*, 130 (3), 2004.
- 2003 Pietroforte R. and Gregori T., An input-output analysis of the construction sector in highly developed economies, *Construction Management and Economics*, 21 (3), 2003.
- 2002 Pietroforte R. and Miller J.B., Procurement methods for US infrastructure: Historical perspectives and recent trends, Invited Paper, *Building Research and Information*, (30) 6, 2002.
- Costantino N. and Pietroforte, R. Subcontracting practices in USA homebuilding, *European Journal of Purchasing and Supply Management*, (8), 2002.
- 2001 Costantino N., Pietroforte, R and Hamill P., Subcontracting in commercial and residential construction, *Construction Management and Economics*, (19), 2001.
- 2000 Pietroforte R., Bon R. and Gregori T., Regional development and construction in Italy: An input-output analysis, 1959-1992, *Construction Management and Economics*, (18), 2000.
- 1999 Pietroforte, R. and Tangerini, P., From boom to bust: An assessment of Italian construction firms, *Construction Management and Economics*, (17), 1999.
- Albano, L.D., Fitzgerald, R., Jaychandran P, Pietroforte, R. and Salazar, G. F., The Master Builder Program: An integrated approach to facility design and construction, *Journal of Professional Issues in Engineering and Education*, (125), 1999.
- Pietroforte R. and Bon R., The Italian residential construction sector: An input-output historical analysis, *Construction Management and Economics*, (17), 1999.

- Pietroforte R. Closure to the discussion of Civil engineering education through case studies of failures, *Journal of Performance of Constructed Facilities*, ASCE, (13), 2, 1999.
- 1998 Pietroforte R., Civil engineering education through case studies of failures, *Journal of Performance of Constructed Facilities*, ASCE, (12), 2, 1998.
- 1997 Pietroforte R., Communication and governance in the building process, *Construction Management and Economics*, (15) 2, 1997.
- Pietroforte R., The shop drawing process of stone veneered cladding systems, *Journal of Architectural Engineering*, ASCE, (3) 2, 1997.
- 1996 Bon R. and Pietroforte, R., Comparative stability analysis of demand-side and supply-side input-output models: The cases of Italy, Japan, UK, and U.S.A., *International Review of Economics and Business*, (43) 3, 1996.
- Pietroforte R., Technological change of cladding systems: Implications for design and engineering arrangements, *Journal of Architectural Engineering*, ASCE, (1) 3, 1995.
- 1995 Pietroforte R. and Bon R., An input-output analysis of the Italian construction sector, 1959-1988, *Construction Management and Economics*, (13), 4, 1995.
- 1993 Bon R. and Pietroforte R., New construction versus maintenance and repair construction technology in the US since World War II, *Construction Management and Economics*, (11), 2, 1993.
- 1990 Bon R. and Pietroforte R., Historical comparison of construction sectors in the United States, Japan, Italy, and Finland using input-output tables, *Construction Management and Economics*, 8, 1990.

9.5 Peer reviewed (full manuscript) publications: Conference papers

- 2012 Stefani T. and Pietroforte R., The changing of architect's role in the design of buildings in the U.S.A., *Proceedings of the CIB Joint W65, W55, W089 and W118 Symposium*, June 2012, Montreal.
- 2011 Gregori T. and Pietroforte R., Patterns of structural change in construction?, *Proceedings of the MISBE 2011*, June 20-23, 2011, Amsterdam, The Netherlands.
- 2011 Sciancalepore F., Falagario M., Costantino N. and Pietroforte R., Multi-criteria bid evaluation of public projects, *Proceedings of the MISBE 2011*, June 20-23, 2011, Amsterdam, The Netherlands.

- 2010 Nicola Costantino, Marco Falagario Roberto Pietroforte and Fabio Sciancalepore, “A Model To Predict Bid Distribution In The Public Tenders,” Proceedings of the 4th International Public Procurement Conference (IPPC4). Seoul, South Korea, August 26-28, 2010.
- 2010 Silvio Sancilio, Nicola Costantino, Roberto Pietroforte, Lean Production approach to reducing waste in concrete operations in Italy, Proceedings of the 18th annual conference of the International Group for Lean Construction, Haifa, Israel from July 14th – 16h, 2010.
- 2010 Roberto Pietroforte and Paolo Tombesi, The use of physical mockups as interface between design and construction: A North-American case study ,Proceedings of the CIB World Congress, May 10th - 13th, 2010, The Lowry, Salford Quays, United Kingdom
- 2009 Gregori T and Pietroforte R., Sources of construction growth in selected OECD countries, *Proceedings of the Joint 2009 CIB WO65/WO55 Symposium*, Dubrovnik (Croatia), September 27-October 1, 2009
- 2008 Costantino N., Pellegrino R. and Pietroforte R., "Outsourcing in Construction. A Transaction Cost Theory Interpretation", *Joint 2008 CIB WO65/WO55 Symposium Proceedings*, Dubai, November 14-17, 2008.
- 2007 Costantino N. and Pietroforte R., “The use of e-commerce applications in construction: an interpretative model”; Proceedings of the CIB World Congress, Cape Town, (South Africa) on May 14-18, 2007.
- Pietroforte R. and Costantino N., “The growing but neglected importance of specialty trade contractors in the US construction industry”; Proceedings of the 4th Structural Engineering and Construction Conference (ISEC-4), Melbourne (Australia) on September 26-27, 2007.
- Pietroforte R., Costantino N., Falagario F, and Gould J.S., “A review of the abstracts of Construction Management and Economics: 1983-2006”, Proceedings of the CME 25 Conference, University of Reading, 16-18 July, 2007.
- Sancilio S., Dibari G, Costantino N. and Pietroforte R., “A multinational comparison of concentration ratios in the construction market”, Proceedings of 4th Nordic Conference in Construction Economics and Organisation, Lulea, Sweden, 14-15 June 2007.
- 2006 Gregori T. and Pietroforte R., “How much labor in construction?”, Proceedings of the 12th Joint W65/W55 CIB International Symposium, Rome, 18-20 October 2006.

- Sancilio S. and Pietroforte R.” Construction productivity measurement: the first step for increasing the competitiveness of Italian firms, Proceedings of 12th Joint W65/W55 CIB International Symposium, Rome, 18-20 October 2006.
- 2005 Costantino N. and Pietroforte R., The diffusion of B2B in the construction market: organizational and technological determinants, Proceedings of the 11th Joint CIB International Symposium, June 13-16, 2005, Helsinki, Finland.
- Pietroforte, R., Almeida J. and Costantino N., A Comparison of two UK and US Construction Management Journals, Proceedings of the 11th Joint CIB International Symposium, June 13-16, 2005, Helsinki, Finland.
- Costantino N. and Pietroforte R., E-procurement in the construction industry: An international comparison , Proceedings of the 6th Annual Global Information Technology Management (GITM) Conference, June 5-7, 2005, Anchorage, Alaska.
- 2004 Pietroforte R., and Costantino N., The construction engineering and management discipline in the USA: an analysis of two ASCE academic journals, Proceedings of the CIB Triennial World Congress, May 2-7, 2004, Toronto, Canada.
- Costantino N and Pietroforte R., The diffusion of e-commerce applications in the construction industry: empirical evidence from the U.S.A., Proceedings of the 13th Annual IPSERA Conference, April 4-7, 2004, Catania, Italy.
- Costantino N and Pietroforte R., E-Procurement applications in the US construction industry: an empirical study, Proceedings of the Fifth Annual Global Information Technology Management (GTIM) World Conference, June 13-15, 2004, San Diego, USA.
- 2003 Pietroforte R. and Costantino N., Reasons for subcontracting in the US building and non - building construction sectors, Proceedings of the CIB W65and W55 International Symposium, October 22-24, 2003, Singapore.
- Costantino N. and Pietroforte R., Subcontracting practices in non-building construction: An empirical study in the USA Market, Proceedings of the 12th Annual IPSERA Conference, Budapest, April 14-16, 2003.
- 2002 Costantino N. and Pietroforte R., Information and communication technologies in the USA construction market, Proceedings of the Congreso Internacional de Telematica, Havana, November 25-29, 2002
- Pietroforte R. and Gregori T., The role of the construction sector in highly developed economies, Proceedings of the CIB 10th International Symposium Construction Innovation and Global Competitiveness, Cincinnati, September 9-13, 2002.

- Costantino N. and Pietroforte R., E-construction in the USA: A new challenge for research, Proceedings of the CIB 10th International Symposium Construction Innovation and Global Competitiveness, Cincinnati, September 9-13, 2002.
- Costantino N. and Pietroforte R., A critical review of Internet based technologies in the US construction market, Poster session, 11th Annual IPSERA Conference, March 25-27, 2002, University of Twente, Enscheden, The Netherlands.
- 2001 Costantino N and Pietroforte R., E-commerce and information technologies in the US and Italian construction markets, Proceedings of the 8th SIGEF Congress (New Logics of the New Economy), Naples (Italy), September 20-21, 2001.
- Costantino N. and Pietroforte R., Subcontracting practice in USA homebuilding: An empirical verification of Eccles' findings twenty year later, Proceedings of the 10th International Annual IPSERA Conference, April 8-1, 2001 Jönköping, Sweden.
- Pietroforte R., A systematic approach to evaluating innovations for implementation, Proceedings of the TRB Annual Meeting, January 7-11, 2001, Washington.
- 2000 Pietroforte, R. and Costantino N., A systematic approach to evaluating transportation related innovations. Proceedings of the CIB W055 and W065 Meeting, September 13-15, 2000, University of Reading, UK.
- Avlijaš N., Costantino N. and Pietroforte R., Real estate market in reconstruction and rehabilitation projects: A proposal for a borderline neighborhood of Sarajevo. Proceedings of the CIB W055 and W065 Meeting, September 13-15, 2000, University of Reading, UK.
- 1997 Pietroforte R., Managing cultural differences: the case of a cross-Atlantic construction alliance. In Procurement: A key to innovation, Proceedings of the CIB W92 Symposium, May 19-23, 1997, University of Montreal, Canada.
- Sears J., Salazar G.F. and Pietroforte R., Impact of delivery systems and remuneration methods on educational facility construction, Proceedings of the CIB W92 Symposium, May 19-23, 1997, University of Montreal, Canada.
- 1996 Salazar G., Albano L.D., Jaychandran P. and Pietroforte R., Computer-based undergraduate integrated civil engineering curricula at WPI, Computing in Civil Engineering, Proceedings of the Third ASCE Congress, June 17-19, 1996.
- 1989 Pietroforte R., Space Growth and Change in Academic Facilities, Proceedings of the CIB 11th World Congress, June 19-23, 1989, Paris, France.
- Not peer reviewed publications: Conference papers**
- 2000 Costantino N. and Pietroforte R., "Eccles's quasifirm: An empirical investigation twenty year later", Proceedings of the 2000 AICE Conference, Milan, November 23-24, 2000.

- 1999 Pietroforte, R. and Gregori, T., "International comparison of construction sectors: Patterns and Convergences", Northeast Regional Science Association, Annual meeting, May 1999, Boston.
- 1998 Pietroforte R., Bon R. and Gregori T., Regional development and construction in Italy: An input-output analysis, 1959-1992, Twelfth International Conference on Input-Output Techniques, New York University, May 18-22, 1998.
- 1997 Pietroforte, R. and Bon, R., "Historical trends of the Italian residential and non-residential construction sectors", Northeast Regional Science Association, Annual Meeting, 5/29-6/1, 1997, Boston.
- 1996 Fitzgerald R.W., Pietroforte R., Nadeau D.R. and Wojcik M.J., "Building fire performance evaluations", International Conference of Performance-Based Codes and Fire Safety Design Methods, September 24-26, 1996, Ottawa, Canada.
- 1991 Pietroforte R. and Irwig H., "Teaching Building Technology", 9th Annual Technology Conference, Harvard University, February 14-17, 1991.
- 1989 Bon R. Pietroforte R., "Historical comparison of construction sectors in the United States, Japan, Italy, and Finland using input-output tables", Northeast Regional Science Association, Annual Meeting, 5/12-14, 1989, Boston.

Other not peer reviewed publications

- 2005 Cassidei F., Costantino N. and Pietroforte R.: "Diffusione dell'e-procurement nel settore delle costruzioni. Italia e USA, L'Ufficio Acquisti, n°7, May-June 2005.
- Costantino N. and Pietroforte R., "Acquisti sul web. Investimento in fiducia", Il Nuovo Cantiere, 4, April 2005 .
- 1990 Pietroforte R., "Space Growth and Change in Academic Facilities", Building Research and Practice, 5, 1990.
- 1978 DePascali, P, Ludovici B. and Pietroforte R., "Il rilevamento del patrimonio edilizio e urbanistico: La composizione dei dati" (Survey of Buildings and Public Squares: The Composition of Data), Quaderni dell'Istituto di Architettura, Department of Civil Engineering, University of Rome, Italy, 34, 1979.

Teaching Books

- 1979 DePascali, P, Ludovici B. and Pietroforte R., eds., Rapporto di una esperienza nel settore dei servizi del territorio e dei beni culturali (Report on an Experience of the Inventory of Regional Services and Artistic Patrimony of Calabria), IUSA, Rome, Italy, 1979

- 1978 DePascali, P, Ludovici B. and Pietroforte R., eds. “Il rilievo edilizio ed urbano da terra: L'uso della fotografia e degli strumenti ottici” (Survey of Buildings and Public Squares: The Use of Photography and Other Optical Instruments), lesson book, IUSA, Rome, Italy, 1978.

Book reviews

- 2011 Pietroforte R., Review of the book, Martland, C , Toward more sustainable infrastructure: project evaluation for planners and engineers, by Martland C., Hoboken NJ: Wiley, in Construction Management and Economics, Vol. 29 (12), 1242-1244, 2011.
- 2004 Pietroforte R. Review of the book, Construction Management: Principles and Practice, by Alan Griffith and Paul Watson, Palgrave Macmillan, 2004. In Construction Management and Economics, 22(6), 2004, pp 603-4.
- 2003 Pietroforte R. Review of the book , The economics of the modern construction sector, by G. J. Ive and S.L. Gruneberg, MacMillan Press, 2000. In Construction Management and Economics. Vol 21 (2), 2003, pg. 230.
- 2002 Pietroforte R. Review of the book, Case studies in infrastructure delivery, by J.B. Miller, Glover Academic Publisher, 2002. In Construction Management and Economics, 21 (3), 2003, pg. 329.
- 1981 Pietroforte R., “Forma e tecnologia dell'evoluzione edilizia” (Form and Technology of Building Development), book review, Prefabbricare, 2, 1981.

Technical Reports

- 1994 Pietroforte R., “Comparative Study of Fratelli Dioguardi SpA and Beacon Construction Inc”. Final report for Beacon Construction Inc.
- 1993 Pietroforte R., “A Decision Support System for the Maintenance Management of an Office Building Portfolio”. Final report for National Research Council of Italy (in Italian).
- 1990 Bon R and Pietroforte R., “Possible effect of a lumber shortage on the demand for masonry products in the United States”. Final report for the International Masonry Institute Inc..
- 1989 Pietroforte R., “Methodologies for the design and construction of flexible R&D facilities”. Final report for the Shimizu Technology Center America, Cambridge,
- 1982 Pietroforte R., “North America: The Systems Approach in Educational Facilities”, Final Report for the National Research Council of Italy (in Italian).

- 1981 Pietroforte R., “Building Technologies Tied to the Use of Methane Gas in Calabria”. Final Report for Autonomous Institute for the Study of the South, Italy, (in Italian).
- 1980 Pietroforte R., “Appraisal of the SBS Building System of SACEP, Inc”. Final report for SACEP SpA (Italy) (in Italian).

ALLEGATO 4

Invited presentations at professional meetings

- 2006 “The evolution of construction management and economic research in the USA”, International Workshop Day, Polytechnic of Turin, 29 June 2006
- 2005 “Update about the planning of the 2006 W55/W65 Symposium in Rome (Italy), CIB W65 International Symposium, Helsinki, June 14, 2005.
- 2004 “Update about the planning of the 2006 W55/W65 Symposium in Rome (Italy), CIB W65 International Symposium, Toronto May 4, 2004
- 2003 “Proposed venue for the 2006 W55/W65 Symposium, CIB W65 International Symposium, Singapore, 23 October 2003.
- “Il bonding nel mercato anglosassone” (Bonding in the Anglo-Saxon construction market). Symposium on Project Financing, University of Bari, January 24, 2003.
- 2002 “Understanding partnering organizations in collaborative research”, TRB 81st Annual Meeting, January 2002, Washington.
- “Market trends of US Internet-based technologies for construction”, Edil Levante Costruire, April 12-13, 2002 Bari, Italy
- 2001 Systematic approach to evaluating innovations for implementation, TRB Annual Meeting, January 7-11, 2001, Washington.
- 2000 “Future directions of NCHRP 20-46”, TRB Mid-Year meeting, Woods Hole, September 11-12, 2000
- “Systems approach to evaluating innovations for integration into highway practice”, TRB, A5001 meeting, Washington, January 2000
- 1999 “Guidelines for evaluating innovation”, ASSHTO Region 1 RAC Meeting, July 18-20, Harrisburg, 1999.

- 1997 "Profile of the 21st century building", Invited speaker, ASCE Annual Convention, Minneapolis, October 5-8, 1997
- 1993 "The Management of Building Portfolios: Decision Making and the Information Process, Invited speaker, SAIEDUE, International Fair of Industrialized Building, Bologna (Italy), 3/24/93.
- "A Cross-Atlantic business alliance", Invited speaker, Build Boston '93, 11/1993.
- 1989 "Time-related behavior of R&D space utilization", Invited speaker A.I.A. Symposium on Research Facilities, Minneapolis, October 10, 1989.

Invited presentations and seminars at academic institutions

- 2007 "The interfacing of design and construction: the case of Simmons Hall at MIT, School of architecture, University of Palermo (Italy), April 20, 2007.
- 2006 "An introduction to Advanced Project Management in the USA", 9-hour Ph.D. seminar, Department of Civil Engineering, Polytechnic of Bari (Italy), March 16-17, 2006.
- "The use of full sized mockups in construction" Department of Architectural Engineering, University of Naples (Italy), March 23, 2006.
- "The practice of Construction Management in the USA", 6-hour Ph.D. seminar, BEST, Polytechnic of Milan (Italy), 15 June 2006.
- 2005 "Trends in international construction", MIT, Department of Civil and Environmental Engineering, invited lecture, May 18, 2005
- 2004 "Time scheduling of this stone veneered curtain walls in high-rise building", MIT, Department of Civil and Environmental Engineering, invited lecture, March 10, 2004.
- 2003 "Industrialized building construction in Italy: Historical perspectives and lessons", Malaysia University of Science and Technology, October 21, 2003, Kuala Lumpur, Malaysia.
- "Controllo qualitativo del processo costruttivo negli USA" (Quality control in the US construction process). PhD program, Department of Civil Engineering, Politecnico di Bari, January 23, 2003.
- 2002 "Management of innovation for US transportation agencies", PhD program, Department of Regional Planning, Politecnico di Bari, April 4, 2002.
- 2000 "Design and construction of thin stone veneer cladding in high-rise buildings", University of Naples (Italy), March 13, 2000.

- “Design and construction of thin stone veneer cladding in high-rise buildings”, Polytechnic University of Bari (Italy), March 9, 2000.
- 1997 “Methodological criteria for the integration of design and construction”, Massachusetts Institute of Technology, Department of Architecture, 12/10/97.
- “The role of US professional designers in complex projects: The case of Worldwide Plaza”, Guest lecturer of a 4-day seminar, Department of Architecture, University of Rome (Italy), 2/24-2/27/1997.
- 1996 “Methodological criteria for the selection of cladding systems in high rise buildings”, Massachusetts Institute of Technology, Department of Architecture, 10/17/96.
- 1995 “Strategic alliances between construction firms”, Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, 10/30/95.
- “Italian Construction in a European Perspective”, DAEST, University of Venice (Italy), 3/6/95.
- 1994 “Information and communication in the design and construction process”, Massachusetts Institute of Technology, Department of Architecture, 5/4/94.
- “Evolving organizational structures of construction firms”, Massachusetts Institute of Technology, Department of Civil Engineering, 3/30/94.
- “The use of construction management in the U.S.A. in office building projects”, Department of Architectural Engineering, University of Rome (Italy), 3/8/94.
- 1992 Invited lectures at the Universities of Florida, Pennsylvania, Wisconsin, Illinois and Catholic and Northeastern University.
- 1991 "Information and communication in the building design process", Department of Civil Engineering, Stanford University, April 1991.
- 1990 "Thin stone veneer cladding in high-rise buildings", Department of Architecture, University of California at Berkeley, May 1990.
- 1982 "Industrialization and Design", Boston Architectural Center School of Architecture, Boston, May 1982.

Other presentations

- 1994 “The educational programs of American universities: The case of WPI”, Invited speaker, Rotary Club of Bari (Italy), 3/10/94.