Professor Richard de Neufville – Ph.D. Dissertations Supervised

82. “Safety Implications of Roadway Design and Management: New Evidence and Insights in the Traditional and Emerging Operational Environments,” Sikai Chen, Purdue University, June 2019, (Reader)

81. “A decision support tool for the flexible development of constrained airports,” Liliana Magalhães, Instituto Técnico Superior, Universidade de Lisboa, November 2018 (Reader)


78. “Greenhouse gas equivalency metrics for evaluating energy technologies,” Morgan Edwards, Engineering Systems Division, 2017 (Reader)

77. “Engineering Options: a proactive planning approach for aging water resource infrastructure under uncertainty,” Kim Smet, School of Engineering and Applied Sciences, Harvard University, 2017 (Reader)


75. “Flexibility in Airport Architectural design: including a life cycle approach in project design management of an airport terminal,” Elisabetta Fossi, Università degli Studi di Firenze, Dipartimento di Architettura, March 2017 (external examiner)

74. “Material Diversification in Pavement Management: A Technique to Proactively Deal with an Uncertain Future,” Omar Swei, Department of Civil and Environmental Engineering, August 2016 (Co-supervisor)

73. “Metologia de Estimativa de Valor da Flexibilidade Desenvolvimento de Campos de Petróleo”, Márcia Ida de Oliveira Silva, Universidade de Campinas, (Brasil) 2016 (Co-supervisor)


71. “Negotiated Collaboration: a study in Flexible Infrastructure Design,” Vivek Sakhrani, Engineering Systems Division, August, 2015 (Supervisor)

70. “Airport strategic planning in the context of low- cost carriers ascendency: insights from the European experience,” Edgar Jimenez Perez, Universidade de Porto, 2015, (Co-supervisor)


68. “Flexible Engineering System Design with Multiple Exogenous Uncertainties and Change Propagation,” Hu Junfei, National University of Singapore, 2013 (External Examiner)


65. “Stochastic Dominance for Project Screening and Selection under Uncertainty,” Adekunle Adeyemo, Department of Chemical Engineering, February 2013 (Reader)


62. “Flexibility in Real Estate Management,” Markus Harder, Judge Business School, University of
Cambridge, March 2012 (External examiner)

61. “Air transportation design for effective and efficient service to small remote communities: Policy options under regulatory reform,” Alda Mendes, Universidade do Porto, March 2012 (Co-Supervisor)

60. “Modeling Cost and Time Uncertainty in Rail Line Construction,” Yvonne Moret, Department of Civil and Environmental Engineering, March 2011 (Reader)


50. “Flexibility and Standards in Programs of Large-Scale Projects,” Konstantinos Kalligeros, Engineering Systems Division, May 2006 (Supervisor)

49. “Real Options “in” Projects and Systems Design – Identification of Options and Solution for Path Dependency,” Tao Wang, Engineering Systems Division, May 2005 (Supervisor)

48. “Flexibility in Building Design: A Real Options Approach and Validation Methodology to Address Risk,” Lara Greden, May, 2005 (Reader)


44. “Dynamics of Technology Adoption in Basic Industry: Implications for Cleaner Production Technology,” Mark Stoughton, June 2000 (Chairman)


42. “Agency and Information Costs in the Intra-Firm Diffusion of Practice,” Michael Lenox, 1999 (Reader)
41. “Storage and Capacity Rights Markets in Natural Gas Industry,” Luis Paz-Galindo, 1999 (Reader)
Ross McNutt, 1999 (Reader)
Product Team,” Renata Pomponi, 1998 (Reader)
Newell, 1998 (Reader)
37. “Intermediation and Electronic Markets: Aggregation and pricing in Internet Commerce,” Joseph
Bailey, 1998 (Reader)
36. “Improving the Valuation of Research and Development: A Composite of Real Options, Decision
Analysis and Benefit Valuation Metrics,” James Neely III, 1998 (Co-Supervisor)
35. “Integrating Small Scale Distributed Generation into a Deregulated Market: Control Strategies and
Price Feedback,” Judith Cardell, 1997 (Reader)
34. “Uncertain Inference, Estimation, and Decision-Making in Integrated Assessments of Global
Climate Change,” L. James Valverde, Jr., 1997 (Reader)
33. “Topics on Market-Based Environmental Policy,” Juan Pablo Montero, 1997 (Reader)
32. “Planning Level Decision Support for the Selection of Robust Configurations of Airport Passenger
Buildings.” Thomas Svrcek, 1994 (Co-Supervisor)
Estimations,” Christophe Mangin, 1993 (Reader)
30. “Development Factors and their Effect on Planning and Design of Air Terminal and Airfield Area in
International Airports,” Ahmed A. Afifi, 1991 (External Examiner)
29. “Rapid "Innovation" and the Integration of Components: A Comparison of User and Manufacturer
1989. (Supervisor)
(Reader).
26. “Application of Multi-Attribute Utility Analysis to Problems in Materials Selection," Frank Field, III,
May 1985 (Reader).
25. “Empirical Demonstration of Utility Dependence on the Fundamental Assessment Parameters:
Revised Assessment Methodology,” Mark McCord, August 1983 (Supervisor).
24. “The Regional Inter-Temporal Cost Allocation Problem: A Simplified Methodology Based on the
23. “State Taxation and U.S. Copper Supply: An Engineering/Economic Analysis of International
22. “Strategies for Planning the Coal Industry in Developing Countries," Miren Salsamendi, December
1981 (Supervisor)
September 1979 (Reader).
20. “Production Functions for Airport Terminals," G. Gosling, (University of California, Berkeley), June
1979 (Reader).
12. "The Rationalization of Airline Networks within Western Europe, with Special Reference to Swissair," J. Greig (London School of Economics), 1975 (Reader).