

**COMPREHENSIVE VITA**  
**JOHN ROBERT MULLIN, Ph.D., FAICP**

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## ***ADMINISTRATIVE, INSTRUCTIONAL AND PROFESSIONAL EXPERIENCE***

### **ADMINISTRATION**

#### **Dean of the Graduate School, University of Massachusetts, Amherst.**

##### **September 2003 - Present**

Responsible for providing leadership for the continual advancement of the quality, reputation, and direction of the graduate school; administering all aspects of the graduate program including appointments, budget, admissions, union negotiations, recruitment and retention, fellowships, policies, and review of proposed and existing programs; working with graduate students and faculty to improve the quality of graduate education and related experiences; representing the Graduate School with diverse internal and external constituencies; identifying new sources of funding for graduate education and training; and developing cooperative graduate programs among the five campuses of the University.

#### **Interim Vice Provost/ Vice-Chancellor for University Outreach, University of Massachusetts, Amherst. September 2001 - August 2004**

Responsible for expanding the University's external research, teaching, and service activities with specific emphasis on the Commonwealth of Massachusetts' and the University's "On-Line" education program. Also responsible for administering the University's Continuing Education Program, Extension Program, WFCR-National Public Radio Station, University Without Walls, and the Science, Technology, Engineering, and Math (STEM) Institute. Served as a member of the Chancellor's Executive Advisory Committee.

#### **Director of the Center for Economic Development, University of Massachusetts, Amherst.**

##### **September 1990 - Present**

Responsible for directing the US Department of Commerce, Economic Development Administration's University Center. The Center provides technical assistance to Massachusetts's communities to expand their tax base and employment opportunities. Since 1990, the Center has worked in approximately 150 Massachusetts cities and towns.

#### **Director of the Graduate Program in Regional Planning, University of Massachusetts, Amherst. September 1998 - 2001 and September 1979 - 1985**

Responsible for curriculum development, faculty assignments, recruiting and day-to-day supervision of the Graduate Program consisting of approximately 60 students.

#### **Director of the Ph.D. Program in Regional Planning, University of Massachusetts, Amherst. June 1995 - September 1998**

Responsible for overseeing the selection, curriculum and progress of twenty Ph.D. students.

#### **Head of the Department of Landscape Architecture and Regional Planning, University of Massachusetts, Amherst, Massachusetts. January 1990 - September 1994**

Responsible for operating a department consisting of approximately 650 students, 25 faculty members, 8 programs, the Center for Economic Development, the Center for Rural Massachusetts and the METLAND Research Group.

**Director of the National Rural Fellows Program in Regional Planning, University of Massachusetts, Amherst, Massachusetts. June 1982 - June 1987**

Responsible for curriculum development, hiring of faculty, budget control and day-to-day administration of the Department's summer program designed for mid-career professionals.

**INSTRUCTION**

**Professor of Urban Planning**, Department of Landscape Architecture and Regional Planning, University of Massachusetts, Amherst. September 1978 – Present. Promoted to Associate Professor, September 1980. Promoted to Professor, September 1986.

**Faculty Associate**, Lincoln Institute for Land Policy, Cambridge, MA. 1992 - Present

**Visiting Professor**, Department of Urban Planning, Massachusetts Institute of Technology, Cambridge, MA. September 1992- January 1993

**Assistant Professor of Urban Planning**, Department of Urban Planning and Landscape Architecture, Michigan State University, East Lansing, MI. September 1975 - August 1978

**PROFESSIONAL PLANNING**

**Mullin Associates Incorporated. Pelham, MA. 1990- Present**

President and Partner. The firm specializes in economic development, industrial planning and market analysis.

**LandUse, Incorporated. Hadley, MA. 1983-1990**

Co-owner and Vice President of a five employee firm. The firm had more than 100 contracts involving various planning projects across New England. Work focused upon industrial and retail development.

**Freelance Consultant 1973-1983**

Undertook zoning, master planning, subdivision and economic impact projects in cities and towns in Michigan and New England.

**U.S. Army Corps of Engineers, Europe. 1970-1972**

Chief of the Master Planning Branch. Responsible for coordinating master planning efforts at various military bases in Germany.

**Boston Redevelopment Authority, Boston, MA. 1968-1970**

Senior Planner. Responsible for planning projects for the Fanueil Hall - Downtown Waterfront.

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## ***HIGHLIGHTS IN TEACHING, RESEARCH AND SERVICE***

- Recipient: President's Service Award, Association of Collegiate School of Planning (2004).
- Recipient: Chancellor's Medal (Distinguished Faculty Lecturer), University of Massachusetts (2001).
- Recipient: President's Award for Public Service, University of Massachusetts (2000).
- Charter Selectee: College of Fellows, American Institute of Certified Planners (2000).
- Recipient: Outstanding Teacher of the Year Award, College of Food and Natural Resources, University of Massachusetts (1995).
- Recipient: Teaching Excellence Award from the College of Food & Natural Resources (1990).
- Delivered guest lectures at Amherst College, Antioch College, Boston College, Boston University, Cambridge University (Robinson College), University of Coimbra, Dartmouth College, University of Dortmund, Hampshire College, Harvard University, Massachusetts Institute of Technology, Mt. Holyoke College, Smith College, University of Ulster (Magee College) and the University of Aveiro.

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## ***TEACHING ACTIVITIES***

### ***COURSES TAUGHT (1974 - PRESENT)***

- Great Books in Planning Literature (Ph.D. Program)
- City Planning I & II (Graduate and Undergraduate Program)
- Fiscal Planning & Economic Development (Graduate Program)
- Historic Preservation (Graduate Program)
- History of Urban Planning (Graduate Program)
- Industrial Development Planning (Graduate Program)
- Industrial Planning Seminar (Graduate Program)
- Planning Law (Graduate Program)
- Planning Studio I & II (Graduate Program)
- Planning Theory (Graduate Program)
- Public Budgeting (Graduate Program)
- Tools and Techniques of Planning (Graduate Program)
- Human Ecology (Undergraduate Program)
- Dynamics of Urban Planning (Undergraduate Program)
- International Planning (Undergraduate Program)
- Urban Issues (Undergraduate Program)

**PROFESSIONAL DEVELOPMENT COURSES (CONTINUING EDUCATION)**

- *Land Use Planning*. Lincoln Institute for Land Policy Program on Training Local Planning Boards (1993-2006).
- *Fiscal Impacts of Development*. Lincoln Institute for Land Policy. (2005-2006).
- *Adaptive Reuse in Urban Planning*, Donahue Institute/Massachusetts Department of Environmental Management Seminar Series, Lowell, Massachusetts (2000-2005).
- *Industrial Development Seminars*. University of Massachusetts Center for Economic Development (1990-2005).
- *Economic Development Seminars*. Northeast Economic Development Association Training Seminars (1993-2003).
- *Comprehensive Planning*. Citizens Involvement Training Program, University of Massachusetts Extension (1998).
- *Industrial Planning*. Massachusetts Institute of Technology's Professional Development Institute (1993-1996).
- *Economic Development Training Seminars*. New England Chapter of the American Planning Association Mid-career Training Program (1990-1993).
- *Industrial Planning*. Harvard Graduate School of Design Summer Program (1990).
- *Tools and Techniques of Planning*. University of Massachusetts Summer Program (1983-1985).

**DEVELOPMENT OF WEB BASED PLANNING COURSE**

**Lincoln Institute of Land Policy** commissioned the development of an Internet based course on Basic Planning for planning board members and citizen planners. This is now being offered as a Lincoln Education Online (LEO) course that furthers the Institute's broad education strategy to include distance learning. It is now under revision. Further information can be found on the Lincoln Institute's website ([www.lincolninst.edu](http://www.lincolninst.edu)).

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**CHAIR OF RESEARCH COMMITTEES (1995-2008)**

<u>Name:</u>	<u>Dissertation/Project/Thesis</u>	<u>Title:</u>	<u>Year</u> :
• Asli Erbil	Dissertation	An Inquiry of Adaptation of Greenway Planning Strategy to the Istanbul Metropolitan Area, Turkey: Towards an Understanding of Differences in Environmental Discourse in Industrialized & Developing Countries.	2005
• Mark Tigan	Dissertation	Citizen Participation in U. S. Department of Housing & Urban Development Programs: From the Great Society to the New Federalism.	2005

- Theresa Perrone      Master's Project      Spatial Distribution of At-Home Workers in the Pioneer Valley: Methodologies for Tracking the Economic and Land Use Impacts.      2005
  
- Carlos Balsas      Dissertation      City Center Revitalization and Public Private Partnerships, Lessons from Foreign Experiences and Implications for Portugal.      2004
  
- Michael Formosi      Thesis      The Responsive Campus: Utilizing Trends in Learning Approaches to Inform Campus Planning Decisions.      2004
  
- Kenneth Payne      Dissertation      The Entrepreneurial Powers of Local Government: Dillon's Rule Revisited.      2003
  
- Richard Nunes      Thesis      High-Tech Economic Strategies as a Catalyst for Redevelopment and their Implications for the Role of Local Government and Non-Profit Organizations.      2003
  
- Michael Vivaldi      Project      Business Improvement District Plan for Sudbury, Massachusetts.      2003
  
- Carmela Canzonieri      Dissertation      Plans for Regional Structure: Planning for Integrity, Image, and Identity in the Land.      2002
  
- Jeffrey Owen      Project      Downtown Revitalization Plan for Holyoke, Massachusetts      2002
  
- Jason Bachand      Project      The Status of Hazard Conscious Zoning and Land Use Practices in the Core Communities of the Central Connecticut Valley Basin.      2001
  
- Thomas Devaney      Project      Revitalization of Downtown Southbridge.      2001
  
- Francisco Gomes      Project      Defining and Planning Successful Urban Streets.      2001
  
- John Jannell      Project      Evaluating the Fiscal Impact of Residential Development in Williamstown.      2001

- Barry Keppard            Project            Urban Eco-Industrial Development in the City of Springfield.            2001
  
- Karen Michaels            Project            A Program Evaluation Plan for the Chicopee Office of Community Development: A Focus on Outcome Indicator Development.            2001
  
- William Williamson      Project            Planning a National Resource Based Eco-Industrial Park in the North Quabbin Region: The Importance of Demonstrating a Relationship between Regenerative Community Forestry, Biomass Energy Production, and Industrial Ecology.            2001
  
- Glenn D'Alessio          Thesis            Stiletto Marketing: Segmenting Potential Owner (early adopters) of Energy Efficient Houses from Probable Owners of Inefficient Houses.            2000
  
- Philip Chester            Project            Examining Build-Out or, Why Conduct Build-Out.            2000
  
- Sabine Dietrich            Project            The Necessity of Reclamation as a Factor in Urban Riverfront Development.            2000
  
- Patrick Barker            Thesis            Fiscal Impact Analysis: An Empirical Review of the Major Methods.            1999
  
- Sarah Spencer            Thesis            Analyzing the Delivery of Business Improvement District Services to Business Improvement District Publics.            1999
  
- Florence Bakuli            Project            Planners' Roles and Citizens Participation in Community Projects and Developments: Understanding the Role Planners and Citizens Play in Community Projects and Developments.            1999
  
- Travis Cary                Project            Industrial Redevelopment in Palmer, Massachusetts: Site Selection and Financial Feasibility.            1999
  
- Laurie Connors            Project            Deerfield, Massachusetts-Open Space and Recreation Plan Update.            1999



- Adam Gaudette            Project                            A Feasibility Study for a Minor League Baseball Stadium in Worcester, Massachusetts.            1999
- Mark Hess                    Project                            Promoting Ecotourism in the Connecticut River Valley Region of Massachusetts.            1999
- Aron Kirsch                 Project                            Reclaiming Holyoke's Industrial Core.            1999
- Diana Souza                Project                            Downtown Revitalization and Village Center Enhancement: Strategies for Montachusett.            1999
- Tara Calabrese            Project                            Brownfield Redevelopment: A Case Study.            1998
- Thomas Ross                Project                            Downtown Revitalization: A Business Improvement District (BID) for New Bedford, Massachusetts.            1998
- Lance Campbell            Project                            Personal Communications Services Manuel on Zoning Bylaws for Wireless Communications Facilities in Massachusetts Communities.            1997
- Margaret McDonough    Project                            Benchmarking to Set Community Goals.            1997
- Edward Murray            Dissertation                    A Contextual Analysis of the Spatial Concentration and Organization of Production of the Plastics Industry.            1996
- Slater Anderson            Project                            A Business Analysis: Locating a Fanfish or Shellfish Hatchery in Gay Head, Massachusetts.            1996
- Evan Belansky              Project                            A Market Feasibility Study for a Small Business Incubator in the Pioneer Valley Region: An Examination of Hampden and Hampshire County and the City of Holyoke.            1996
- Peter Murray                Project                            Athol Ambulance Study.            1996
- Kimberly O'Brien        Project                            Tourism in the College Town of Amherst, Massachusetts.            1996
- Yubing Zhai                 Thesis                             Prepare for the Year 2000-Job Training in Hampden County.            1995



"The Harbor at Viana Do Castelo: Planning in a Vacuum," *European Planning Studies*, Vol. 4, No. 2 (April 1996), pp. 131-146. Co-author.

"The Coming Crisis in Industrial Land: A Planning Perspective," *Economic Development Quarterly*, Vol. 8, No. 3 (August, 1994), pp. 302-308. Co-author.

"The Implementation of Regional Industrial Policies in the European Community: A Case Study of Setubal, Portugal," *Journal of Portuguese Studies* Vol. 1, No. 2 (Winter, 1992), pp. 44-61.

"The Reconstruction of Lisbon following the Earthquake of 1755: A Study in Despotic Planning," *Planning Perspectives: The Journal of the International History of City Planning Association*, Vol. 7, No. 2 (1992), pp. 157-179.

"Development of the Assabet Mills in 19th Century Maynard," *Historical Journal of Massachusetts*, Vol. 20. No. 1 (Winter, 1992), pp. 64-88.

"National Industrial Policy and the Local Planner," *Journal of Planning Literature*, Vol. 2, No.2 (Spring, 1987), pp.119-135. Co-author.

"Infrastructure Planning in Rural Massachusetts," *Journal of Rural Studies*, Vol. 2, No. 3 (Winter, 1986), pp. 177-186. Co-author.

"From Mill Town to Mill Town: The Transition of a New England Town from a Textile to a High Technology Economy," *Journal of the American Planning Association*, Vol. 52, No. 1 (Winter, 1986), pp. 47-59. Co-author.

"Educating the Adult Minority Professional: A Case Study of the National Rural Fellows Program," *Journal of Rural Studies*, Vol.1, No.3 (Fall, 1985), pp. 279-284. Co-author.

"The Role of Incubator Industries in the Local Economy: The Westfield, Massachusetts, Experience," *The Northeast Journal of Business and Economics*, Vol.11, No.1 (Fall/Winter, 1984), pp. 35-44. Co-author.

"Henry Ford and Field and Factory: An Analysis of the Ford Sponsored Village Industries Experiment in Michigan, 1918-1941," *Journal of the American Planning Association*, Vol. 48, No. 4 (Fall, 1982), pp. 419-431.

"Ideology, Planning Theory and the German City in the Inter-War Years: Part II," *Town Planning Review*, Vol. 53, No. 3 (July, 1982), pp. 257-272.

"Ideology, Planning Theory and the German City in the Inter-War Years: Part I," *Town Planning Review*, Vol. 53, No. 2 (April 1982), pp. 115-130.

"Assessing Economic Impacts of Urban Recreation Development: Lowell National Historical Park," *Environmental Impact Assessment Review*, Vol. 2, No. 2 (June, 1981), pp. 159-174. Co-author.

"The Impact of National Socialist Policies upon Local City Planning in Pre-War Germany (1933-1939): The Rhetoric and The Reality," *Journal of the American Planning Association*, Vol. 47, No. 1 (January, 1981), pp. 35-47.

"City Planning in Frankfurt, Germany 1925-1932: A Study in Practical Utopianism," *Journal of Urban History*, Vol. 4, No. 1 (November, 1977), pp. 3-28.

"American Perceptions of German City Planning at the Turn of the Century," *Urbanism Past and Present*, Vol. 1, No. 3 (Winter 1976-77), pp. 5-15.

### **BOOK CHAPTERS**

"Fiscal Impacts of Development" in *Local Government and Development Finance*, Edited by Jack Huddleston and Roz Greenstein and published by the Lincoln Institute of Land Policy (Forthcoming) Co-author.

"Breathing New Life into Old Places" in Mark B. Lapping, ed., *The Flannel Shirt Frontier: Life and Work in Contemporary New England*. Hanover, NH: University Press of New England/Dartmouth College. (Forthcoming). Co-author.

"The New Economy: Thriving Amidst Change" in Elisabeth Hamin, Priscilla Geigis, and Linda Silka (eds.) *Preserving and Enhancing Communities: A Guide for Residents, Planners, and Government Officials* Amherst: University of Massachusetts Press (Forthcoming 2007, pp. 183-192) Co-author.

"Industrial Parks", *Planning and Urban Design Standards*, (Hoboken: John Wiley and Sons, 2006) pp 440-441. Co-author

"Economic Teamwork: The Economics of Sprawl", David C. Soule, editor, *Urban Sprawl: A Comprehensive Guide* (Westport: Greenwood Press, 2006) pp. 79-89. Co-author.

"Waterfront Planning and Brownfield Redevelopment in Massachusetts", *The Changing Coast*, published by EUROCOAST/EUCC: Porto, Portugal 2002, pp. 295-303. Co-author.

"City Center Revitalization in the USA: Principles, Techniques and Case Studies" in Gianfranco Moras, editor, *L'Approccio Integrato alla Qualificazione Urbana* (Turin: Celid, 2004), pp.209-218. Co-author.

"Revitalizing the Old Mill Town of Maynard, Massachusetts", Roger L. Kemp, editor. *Main Street Renewal* (London: McFarland, 2001), pp. 323-327. Co-author.

"Waterfront Planning as a Strategic Incentive to Downtown Enhancement and Livability", Michael A. Burayidi, editor, *Downtowns—Revitalizing the Centers of Small Urban Communities* (New York: Rutledge, 2001), pp.179-196. Co-author. Translated into Chinese (Mandarin), 2004.

"Planning for Retail Activities in Small Towns", Carlos Balsas, editor. *Urbanismo Comercial em Portugal* (Lisboa: URBE and CMPV, 2001), pp. 14-19. Co-author.

"The Once and Future Medium Sized Harbour," Jack Ahern and Joao Machado, editors, *Environmental Challenges in an Expanding Urban World* (Lisbon: CNIG, 1997), pp. 231-235. Co-author.

"Marketing a Region: The Case of Setúbal," Allan C. Reddy and David B. Campbell, editors, *Marketing's Role in Economic Development* (New York: Quorum Books, 1995), pp. 81-99.

"Um Porto Mais Importante No Ano 2000 Perspectiva Global da sua Base Industrial," António Vilar, editor. *Espaço Imperfeito* (Porto: Forum Portucalense, 1989), pp. 173-178.

"The Planner and Local Culture: A Journey into Foreign Territory," *Abstract Thoughts: Concrete Solutions. Essays in Honor of Peter Nash*, Leonard Guelke and Richard Preston, editors (Waterloo, Ontario: University of Waterloo, 1987), pp. 1-23.

"The Problems of Developing Energy Planning Approaches in Low Income Sections of Cities: A Case Study of the North End, Springfield, Massachusetts," *Community Energy Self-Reliance* (Washington: United States Government Printing Office, 1980), pp. 222-228.

"The Dilemmas of Neighborhood Revitalization," Carol Wedin and Gertrude Nygren, editors, *Housing Perspectives*, (Minneapolis: Burgess, 1979), pp. 117-126.

"German New Towns: Perspective and Overview," Gideon Golany, editor, *International Urban Growth Policies: New Town Contributions*, (New York: John Wiley, 1978), pp. 129-146.

### **OTHER SCHOLARLY WORKS**

"Protecting Coastal Communities: Managing Change", *Communities and Bankers*, Vol. 18, No. 3 (Summer 2007), pp. 9-10 Co-author.

"The Office/Industrial Land Dilemma: A Study of the Blackstone River Corridor in Massachusetts", *Economic Development Journal*, Vol. 5, No.3 (Summer 2006), pp. 16-22. Co-author.

"The Commonwealth's Industrial Land Dilemma: Lessons from Route 146 Corridor", *Massachusetts Benchmarks*, Vol. 8, No. 1 (March 2006), pp 30-31. Co-author.

"Planning For Retail Activities In Small Downtowns: Towards A Pragmatic Approach" *Downtown Bulletin: New York Council of Mayors*, Spring 2004. Co-author.

"The University as a Contributor to the Local Economy", *News and Views: American Planning Association*, the Economic Development Division Newsletter, Spring 2004, pp. 7-9. Co-author.

"The Biotech Industry", *Massachusetts Benchmarks*, Vol. 6, No.2, (Summer 2003), pp.20-26.

"Measuring the Impacts of Downtown Revitalization Strategies", *NYCOM Bulletin*, (June, 2003), pp. 11-12. Co-author.

"Central Region", *Massachusetts Benchmarks*, Vol. 6, No.1, (Winter/Spring 2003), pp.26-27.

"Waterfront Planning and Brownfield Redevelopment in Massachusetts," *Littoral* (September, 2002), pp.1-10.

"The Changing Character of Economic Development", *News and Views*, (APA Economic Development Division, Summer 2002), pp. 1, 3-5.

"Benchmarking: Measurable Indicators of Economic Success", *Economic Development Journal*, Vol. 1, No.2 (Spring 2002) pp. 42-52. Co-author.

“Indicadores de Medida do Sucesso Economico”, *Economia and Prospectiva, Special Issue, #15/16*, (June 2001) pp. 213-237. Co-author

“Connected: The Berkshire Towns’ Common Ground,” *Massachusetts Benchmarks*, Vol. 4, No. 2 (Spring 2001), pp. 19-23. Co-author.

“The Industrial Zoning Crisis.” *Zoning News* (November 2000), pp. 1-4. Co-author.

"Impediments to Industrial Development in the Northeast." in Francis J. O'Connor, editor, *Northeast Industrial Developers Association: Focus 2000, A White Paper*. (1994), pp. 1-4.

“The Blackstone Valley Gets Connected”, *Massachusetts Benchmarks*, Vol. 3, No. 1 (Winter 99/00), pp. 311-318.

“Mill Town Roots,” *Planning Magazine*, Vol. 64, No. 3 (March 1998), pp. 20-23.

“Cosmic Advice for the Young Planner,” *New England Planning* (March, 1998), pp. 5-6. Co-author

“Worcester County: Working Toward the Millennium,” *Massachusetts Benchmarks*, Vol. 1, No. 2 (Spring 1998), pp. 13-15.

“The Economic Impacts of Housing in Massachusetts” in *A Profile of Housing in Massachusetts* (Boston: Citizens Housing and Planning Association, 1998), pp. 31-34. Co-author.

“Thoughts on Edward Bellamy as City Planner: The Ordered Art of Geometry,” *Planning History Studies: Journal of the Society of American City and Regional Planning Historians*, Vol. 11, No. 1 (August, 1997). Pp. 17-29. Co-author.

“Assessing the Future of the New England Mill Town: What Are the Key Factors that Lead to Successful Revitalization?” *Small Town*, Vol. 27, No. 5 (April, 1997), pp. 14-21. Co-author.

“Central Massachusetts: Facing the Second Industrial Revolution.” *Massachusetts Benchmarks*, Vol. 1, No. 1 (Fall, 1997), p.14.

"Creating Successful Partnerships in Export Promotion," *Economic Development Review*, Vol. 12, No. 1 (Winter, 1994), pp. 77-79. Co-author.

*Lisbon: City of Diamonds, City of Stone*. University of New Hampshire Center for International Perspectives (Durham: University of New Hampshire, 1994).

“Bondi’s Island: Its Everybody’s Problem?” *Business Digest* (June, 1994), pp.13-14.

“A Top Down Perspective of the Pioneer Valley: The Future of our Industrial Base,” *Business Digest* (January, 1994), pp. 32-38. Co-author.

"The Greenfield Versus Brownfield Debate: A Balanced Approach to Industrial Planning,” *Economic Development Commentary*, Vol. 17, No. 2 (Summer, 1993), pp. 18-23. Co-author.

“The Value of Home-Grown Companies,” *Chamber Channels*, Vol. 11, No. 2 (February 1993),

pp. 1, 3. Co-author.

"When the Mall comes to a Small Town: How to Shape Development with Carrots and Sticks", *Small Town*, Vol. 23, No. 2 (September-October, 1992), pp. 14-21. Co-author.

"Towards a Vision for the Future: The Need for Growth Management Strategies," *Pennsylvania Economic Development Journal*, Vol. 2, No. 1 (Spring, 1992), pp. 10-12.

"The Mall Comes to Town: Planning for Its Development," *Economic Development Commentary*, Vol. 15, No. 2 (Summer 1991), pp. 15-21. Co-author.

"Trends in Industrial Development," *The Land Use Forum, Massachusetts Edition*, Vol. 2, No. 7 (November, 1991), pp. 1-6. Co-author.

"Massachusetts 2000: Toward a Common Goal," *Industry*, Vol. 55, No.5 (May 1990), pp. 22-24. Co-author.

"Industrial Land: A Forgotten Oasis," *Business West* (April. 1990), p.2.

"The Problems of Rural Reindustrialization: A Case Study of Monroe, Massachusetts," *New England Journal of Public Policy*, Vol. 5, No. 1 (Fall, 1989), pp. 49-62. Co-author.

"Mature Industrial Communities: The Realities of Reindustrialization," *New England Journal of Public Policy*, Vol. 3, No. 1 (Winter, 1987), pp. 7-38. Co-author.

"Prospective Tenants for Business Incubators," *NBIA Review*, Vol. 2, No. 3 (Spring, 1987), pp. 4-5. Co-author.

"The Arborist as Politician," *New England Arborist Newsletter*, Nos. 83-84 (December, 1983), pp. 1-2.

"German City Planning in the 1920's: A North American Perspective of the Frankfurt Experience," *Contact: Bulletin of Urban and Environmental Affairs*, Vol. 7, No.1 (February, 1975), pp.1-15.

### **BOOK REVIEWS**

"The United States in the Global Economy," *Journal of the American Planning Association* (Fall, 1993), p. 561.

"America's Ailing Cities: Fiscal Health and the Design of Urban Policy," *Journal of the American Planning Association*, Winter, 1990, pp. 110-111.

"Deindustrialization and Plant Closure," *Journal of the American Planning Association*, Spring, 1989, pp. 245-246.

"Communities on the Way: Rebuilding Local Economies in the United States and Canada," *Journal of the American Planning Association*, Fall, 1988, pp. 562-563.

"Invisible Hand of Planning: Capitalism, Social Sciences and the State in the 1920s," *Journal of the International Urban History Group*, winter, 1987, pp. 216-219.

"Local Economic Development: A Guide to Practice," *Journal of the American Planning*

*Association*, Spring 1986, pp. 103-104.

“Dreaming the Rational City: The Myth of American City Planning,” *Planning*, Vol. 50, No. 1 (January, 1984), pp. 40-41.

“Toward the Planned City: Germany, Britain, The United States and France, 1780-1914,” *Journal of the American Planning Association*, Vol. 48, No. 2 (Spring, 1982), pp. 272-273.

“Growth and Transformation of the Modern City,” *Urban Studies* (June, 1979), pp. 255-256.

“Designs for Communalism and Privacy,” *Man and Environment*, November 1978, pp. 1-3.

“Planning and Design for Leisure,” *Contact: Bulletin of Urban and Environmental Affairs*, March, 1974, pp. 2-3.

### **BIBLIOGRAPHIES**

*German City Planning History 1871-1945* (Chicago: Council of Planning Librarians, 1979), 29 pp.

*World's Fairs and Their Impact Upon Urban Planning* (Chicago: Council of Planning Librarians, 1972), 17 pp.

### **EDITORSHIPS**

Executive Editor, *Shoptalk*, Newsletter of the Northeast Industrial Developers Association, 1992-1995.

Editor, *Bulletin of the New England Chapter of the American Planning Association*, 1983-1985.

Co-Editor, *Bulletin of the Association of Collegiate Schools of Planning*, 1976-1978.

### **PEER REVIEWED CONFERENCE ABSTRACTS, PAPERS AND PRESENTATIONS**

#### **International Conferences**

“Perspectives on the Place of Industry in the Early New England Puritan Community”, Association of European Schools/Association of Collegiate School of Planning Conference, Naples, Italy, July 10-14, 2007.

“Towards An Understanding of the Ideological and Utopian Underpinnings of the Nineteenth Century New England Mill Community”, International City Planning Historians Conference, Delhi, India, December 12-15, 2006.

“Italian – US Comparative Assessment of City Center Revitalization”, *Association of European Schools of Planning Conference*, Vienna, Austria, July 13-17, 2005. Co-author.

“Improved Harbor Planning” *Association of European Schools of Planning Conference*, Vienna, Austria, July 13-17, 2005. Co-author.



“City Center Revitalization: Effectiveness of Strategies” *Livable Cities Conference*, Venice, Italy, June 20-24, 2005. Co-author.

“Center City Revitalization”, *International Conference on City Regeneration*, Turin, Italy, February 2004. Invited Speaker.

“The Once and Future New England Mill Town”, *Association of European Schools of Planning/Association of Collegiate Schools of Planning Conference*, Leuven, Belgium, July, 2003.

“Portugal’s Waterfronts: Ten Principles”, *International Conference on Urbanism*, Figueira da Foz, Portugal, September 2002. Invited Speaker.

“Bellamy’s Chicopee”, *International City Planning Historians Conference*, London, July 2002.

“The Ideological Roots of American Industrial Development,” *International Conference of the Association of Asian and American Schools of Collegiate Planning*, June, 2001, Shanghai, China. Co-author.

“Frank Lloyd Wright and John McCormick: A Study of Conflict”, *Annual Conference of the Australian Society of City Planning Historians*, Adelaide, Australia, April 2000. Co-author.

“A Transatlantic Comparison of Small Harbors,” *Annual Conference of the Association of European Schools of Planning*, Bergen, Norway, July 1999. Co-author.

“Benchmarking: Assessing Measurable Indicators of Economic Success,” *Association of European Schools of Planning Conference*, Aveiro, Portugal, July 1998. Co-author.

“The Once and Future Medium Sized Harbour,” *International Conference on Environmental Challenges in an Expanding World*, Costa Caparica, Portugal, June 1997.

“Edward Bellamy As City Planner,” *Annual Conference of the Association of Collegiate Schools of Planning/Association of European Schools of Planning International Conference*, Toronto, Canada, June, 1996. Co-author.

“Citizen Participation Comes to Portugal,” *Portuguese Department of the Environment Conference on Citizen Participation*, Lisbon, Portugal, June 8, 1995. Keynote Presentation.

“The Future of Regionalism,” *Conference on Regionalism*, Agronomy Institute, Lisbon, Portugal, June 8, 1995. Keynote Presentation.

“The Revitalization of Brownfields”, *Toronto Conference on the Future of the City*, Toronto, Canada, December 1994. Invited Speaker.

“National and State Industrial Policies and Their Impact on Mature Industrial Communities: A Case Study of the Massachusetts Experience”, *The Association of Collegiate Schools of Planning/Association of European Schools of Planning Conference*, Oxford, England, July 1991.  
"The New Portuguese Realities," *The Luso-American Foundation Conference on Portuguese Planning*, Lisbon, Portugal, December 1990. Invited Speaker.

“Industrial Planning for Londonderry, Northern Ireland: Looking from Within," *The Magee College Conference on the Future of Derry*, Londonderry: Magee College, December 1988.

Invited Speaker.

"The Future of the City of Porto," *Conference of the Forum Portocalense*, Porto, Portugal, February 1988. Invited Speaker.

"Pombal and the Rebuilding of Lisbon", *Departmental Lecture, University of Lisbon School of Architecture*, Lisbon, Portugal, December, 1985. Invited Speaker.

"Building More Bricks with Less Straw: An Overview of Infrastructure Planning in Massachusetts Cities and Towns," *American Planning Association/Canadian Planning Association Conference*, Montreal, Quebec, May 1985.

"The Landscape Architecture and the City," General Assembly Session, *Landscape Architecture Students' Convention (LABASH)*, Guelph, Ontario, April 1978.

"The Planner as Crusader for Social Change: Ernst May and the Frankfurt Experiment," Between the Wars Session, *First International Urban Planning History Conference*, London, England, September 1977.

### **National Conferences**

"Sustainable Planning for Island Communities", Annual Conference of the Association of Collegiate Schools of Planning, Milwaukee, Wisconsin, October 18, 2007.

"The Art of the Deal: The Case of Maynard's Mill", *Annual Conference of the Association of Collegiate Schools of Planning*, Fort Worth, Texas, November 8, 2006. Co-author.

"The University as an Economic Engine" *Universities in Economic Development Association Conference*, Monterey CA, November 2005. Invited Speaker

"Perspectives on the Place of Industry in the Early New England Puritan Community" *Association of Collegiate Schools of Planning Conference*, Kansas City, MO. October 2005.

"Revitalizing Older Industrial Areas" Annual Conference of the *Association of Collegiate Schools of Planning*. October 2004. Co-author.

"Brownfields and the Springfield Arsenal", *National Conference of the U.S. Economic Development Agency*, Washington, D.C., March 2003.

"Bellamy's Chicopee", *Annual Conference of the Association of Collegiate Schools of Planning*, Baltimore, Maryland, November 2002.

"The Utopian Underpinnings of Industrial Development", *Annual Conference of the Association of Collegiate Schools of Planning*, Chicago, Illinois, October 2000.

"The Holyoke Planning Process: Bottom Up Planning", *Annual Conference of the American Planning Association*, New York City, New York, April 2000.

"The Future of Rural Economic Development", *Annual Conference of the American Planning Association*, New York City, New York, April 2000.

"The Ideological Roots of the New England Mill Town," *Annual Conference of the Association of Collegiate Schools of Planning*, Chicago, Illinois, October 1999.

"Building a Biotechnology Cluster," *Annual Conference of the American Association of Geographers*, Honolulu, Hawaii, March 1999.

"Edward Bellamy's *Equality*: The Function of Utopian Thought in Planning," *Annual Conference of the Association of Collegiate Schools of Planning*, Fort Lauderdale, Florida, November 1997.

"Edward Bellamy and the City Beautiful Movement," *Annual Conference of the Society for American City and Regional Planning*, Seattle, Washington, October 1997.

"The Once and Future New England Mill Town," *Annual Conference of the Association of American Geographers*, Fort Worth, Texas, March 1997. Co-author.

"Barre and the Porter Diamond," *Annual Conference of the Association of American Geographers*, Charlotte, North Carolina, March 1996. Co-author.

"Planning in Seas of Change: A Case Study of Derry, Northern Ireland," *Annual Conference of the Association of Collegiate Schools of Planning*, Detroit, Michigan, October 1995. Co-author.

"Industrial Clustering: A Case Study of Barre's Granite Industry," *Annual Conference of the Association of Collegiate Schools of Planning*, Detroit, Michigan, October 1995. Co-author.

"Impacts of Regulation on the Siting of Inner City Manufacturing," *Annual Conference of the Association of Collegiate Schools of Planning*, Tucson, Arizona, November 1994. Co-author.

"The Greenfield-Brownfield Debate: A Balanced Approach to Industrial Planning," *Annual Conference of the American Association of Geographers*, San Francisco, March 1994.

"New Data Sources in Economic Planning," *Annual Conference of the National Association of Management and Technical Assistance Centers*, Portsmouth, New Hampshire, October 1993.

"Impact of Nuclear Power Plants on Local Communities: A Case Study of the Yankee (Rowe) Experience," *Annual Conference of the Association of Collegiate Schools of Planning*, Philadelphia, Pennsylvania, October 1993 Co-author.

"The Industrial Land Crisis," *Annual Conference of the Association of Collegiate Schools of Planning*, Columbus, Ohio, November 1992, Co-author.

"Planning for Mall Development," *Annual Conference of the American Association of Geographers*, San Diego, April 1992.

"Pombal as Architect," *American Society of City Planning History Conference*, Richmond, Virginia, November 1991.

"The Rebirth of Rural Industrialization," *Annual Conference of the Regional Science Association*, Boston, Massachusetts, November 1990.

"The Environmental-Industrial Conflict," *Annual Conference of the Association of Collegiate*

*Schools of Planning*, Austin, Texas, November 1990.

"The Reconstruction of Lisbon Following the Earthquake of 1755," *Annual Conference of the Society of Architectural Historians*, Boston, Massachusetts, May 1990. Co-author.

"The Rise, Fall and Rebirth of Mature Industries in the Blackstone Valley," *Annual Conference of the Association of Collegiate Schools of Planning*, Buffalo, New York, October 1988. Co-author.

"Local Networks - Tapping Every Resource," *Annual Conference of the National Business Incubator's Association* (Dallas, Texas, May 1, 1988).

"The Role of Incubators in Reviving Local Economies," *National Business Incubation Conference*, New Orleans, Louisiana, October 1987.

"The Role of Planners in Stimulating Economic Revitalization: The Case for Incubator Industries," *Conference of the Association of American Geographers*, Portland, Oregon, April 1987. Co-author.

"The Reconstruction of Lisbon Following the Earthquake of 1775", *Annual Conference of the Society for Spanish and Portuguese Historical Studies*, Austin, Texas, April, 1987. Co-author.

"Twenty Thoughts on Incubator Industry Development," *First National Incubator Industries Association Conference*, Philadelphia, Pennsylvania, March 1987. Co-author.

"The Planner and Mature Industries: Efforts to Save the Unsaveable," *Annual Conference of the Association of Collegiate Schools of Planning*, Milwaukee, Wisconsin, October 1986. Co-author.

"Incubator Industry Feasibility Studies," *United States Department of Housing and Urban Development Conference on Incubator Industries*, Albany, New York, May, 1986.

"Textiles to High Technology: New Model Towns in New England to 1970," *First National Conference on American Planning History*, Columbus, Ohio, March 1986.

"Planning in the Mature Industrial City," *Conference of the Association of Collegiate Schools of Planning*, Atlanta, Georgia, October, 1985. Co-author.

"Change and the Mature Industrial City," *Conference of the American Planning Association*, Los Angeles, California, April 1986.

“From Mill Town to Mill Town: A Study of the Transition of a New England Town from a Textile to a High-Technology Economy,” *Economic Trends Session, Urban Affairs Association Conference*, Flint, Michigan, March 1983.

“The National Rural Fellows Program,” *Rural Development Session, American Planning Association Conference*, Dallas, Texas, May, 1982.

“Henry Ford as City Planner,” *Planning History Session, Association of Collegiate Schools of Planning Conference*, Washington, D.C., October 1981.

“Regional and Local Roles in Transportation Systems Management and Downtown Revitalization,” *Downtown Revitalization Session, Institute of Traffic Engineers Conference*, Boston, Massachusetts, 1981.

“The Problems of Developing Energy Planning Approaches in Low Income Sections of Cities,” *Community Planning for Renewable Energy Conference*, Boulder, Colorado, August 1979.

“Planning History in Germany,” *American History Association Conference*, San Francisco, CA, December, 1978.

“Energy Conservation in the Center City,” *Energy Planning Session, American Institute of Planners Conference*, New Orleans, Louisiana, October, 1978.

### **FUNDED RESEARCH LIST - MAJOR PROJECTS**

Principal Investigator, *United States Economic Development Administration (EDA) University Center Grant*. Funded by The United States Economic Development Agency, 1991-Present.

Principal Investigator, *A Study on the Potential for Biotech Industrial Development in the Pioneer Valley*. Funded by the University of Massachusetts President’s Office, 1997-1999.

Principal Investigator, *A Build-out Analysis of the Mid-Pioneer Valley*. Funded by the Massachusetts Highway Department, 1997-1999.

Researcher, *An Update of “Choosing to Compete”: The Governor’s Economic Strategy*. Funded by the Commonwealth of Massachusetts Department of Economic Affairs, 1996-1997.

Principal Investigator: *Indicators of Economic Success Project*. Funded by the United States Economic Development Administration, 1995-1996.

Co-principal Investigator: *A Guidebook for Major Transportation Investment Strategies*. Funded by the Commonwealth of Massachusetts, Department of Highways, 1995-1996.

Co-principal Investigator, *University of Massachusetts-Pskov (Russia) Exchange Program*. Eurasia Foundation, 1994-1997.

Principal Investigator, *Industrial Site Evaluation Project*. Funded by the Western Massachusetts Electric Company, 1992-1993.

Principal Investigator, *Project on Developing a Tire Recycling Center in Western Massachusetts*. Funded by the United States Economic Development Administration, 1992-93.

Co-principal Investigator, *Land Use and Water Resource Protection*. Funded by the Massachusetts Water Resources Agency, 1990-1991.

Principal Investigator, *Industrial Early Warning Systems and Their Applicability to Rural Areas*. Funded by the Northeast Rural Development Center, 1988-1989.

Researcher, *The State of Rural Planning in New England*. Cox Foundation, 1987-88.

Co-principal Investigator, *National Rural Fellows Program*. Funded by the National Urban Fellows, Inc., 1980-1986.

Senior Fulbright Scholar, *Fulbright Program/Luso-American Foundation*, Lisbon, Portugal. Funded by the Fulbright Foundation, September-December, 1986.

Co-principal Investigator, *Northern Berkshire Economic Development Study*. Funded by the Commonwealth of Massachusetts, Department of Commerce, 1986.

Co-principal Investigator, *Massachusetts Infrastructure Project (Phase II)*. Funded by the Massachusetts General Court, 1986.

Co-principal Investigator, *Farmer's Market Study*. Funded by the Commonwealth of Massachusetts Department of Agriculture, 1986.

Principal Investigator, *Mill Housing Revitalization Study*. Funded by a Healey Grant, 1986.

Co-principal Investigator, *Transportation Systems Management Study (Phase III)*. Funded by the Federal Highway Administration, 1985.

Co-principal Investigator, *Massachusetts Infrastructure Project (Phase I)*. Funded by the General Court, 1985.

Co-principal Investigator, *Transportation Systems Management Study (Phase II)*. Funded by the Federal Highway Administration, 1984.

Principal Investigator, "*Henry Ford as City Planner*" Project. Funded by the National Endowment for the Arts, 1982.

Co-principal Investigator, *Application of LANDSAT/D Study*. Funded by the New England Innovation Group and National Aeronautic and Space Administration, 1981.

Co-director, *Transportation Systems Management Study (Phase I)*. Funded by the Federal Highway Administration, 1981.

Co-director, *Project to Develop Self-Help Housing and Energy Programs in Springfield's North End*. Funded by HEW (Title One-A), 1978.

Director, *Project on Energy Conservation and Community Planning: Flint and Grand Rapids*,

*Michigan*. Funded by HEW (Title One-A), 1978.

Director, *Project on Developing Farmers' Markets in Center Cities*. Funded under the USDA Rural Development Act, 1978.

Researcher, *History of German City Planning*. Funded by the German Academic Exchange Service, 1977.

Researcher and Report Editor, *Project on Social and Psychological Problems in Canadian New Towns*. Funded by the Canadian Ministry of State for Urban Affairs, 1976.

### **INTERNATIONAL EXPERIENCE**

#### **Canada:**

- Received Ph.D. from the University of Waterloo, Ontario (1976).
- Worked as Planning Consultant on small craft harbor development in Canadian Maritimes (1973-1975).
- Served as researcher and writer on project related to problems of social integration in Canadian new towns (1973-1976).
- Presented paper to Metropolitan Toronto Conference on Industrial Revolution (1994).

#### **Germany:**

- Served as city planning liaison officer (as an Army Captain) between Southern Germany cities and United States Army, Europe (1970-1972).
- Obtained University of Waterloo Travel Grant for research in Frankfurt (1974).
- Awarded a German Academic Exchange Grant to study the work of Ernst May (1977).
- Guest Lecturer, University of Dortmund (2007).

#### **Northern Ireland:**

- Provided industrial training services to the Derry-Boston Ventures Group (1987).
- Presented paper to the Magee College Conference on Economic Development (1988).
- Developed Exchange Program between Magee College and the University of Massachusetts (1990-Present).
- Visiting Professor, University of Ulster (Magee College) School of Business Administration (1994).
- Wrote Exchange Protocol between Magee College and the University of Massachusetts (1996).

#### **Portugal:**

- Senior Fulbright Scholar (1985): Undertook research on the Rebuilding of Lisbon following the Earthquake of 1755.
- Provided consulting services to the Forum Portocalense on the re-industrialization of Porto (1986).
- Served as planning advisor to the Luso-American Foundation on industrial planning in Lisbon, Setubel and Aveiro (1990).
- Hosted Portuguese Planning Delegation Meeting in Boston (1992).
- Planning Consultant on Port Development in Greater Porto (1993).
- Served as Planning Consultant to the planning staff of the City of Lisbon on downtown revitalization and the impacts of Expo '98 (1995).
- Developed Exchange Program Protocol between the University of Massachusetts and the

Universities of Lisbon, Aveiro and Porto (1996).

- Delivered papers at conferences in Povoá de Varzim (2001), Aveiro (1998) and Costa Caparica (1997).
- Provided Consulting services and economic development for the City of Figueira da Foz (1999).
- Provided Consulting services on harbor development for the City of Vianna do Castelo (1999).

**Other Countries:**

- Mexico: University representative on the place of graduate education in the Mexico-UMass Large Millimeter Telescope Project, Puebla, Mexico (2006).
- China: University representative on the creation of an academic partnership with Shaanxi University, Xi'An, China (2005).
- India: University representative on the creation of an academic partnership with Amrita University, New Delhi, India (2005).
- Have presented papers at international conferences held in Australia, Austria, Belgium, China, Canada, England, Italy, Northern Ireland, Norway, and Portugal.

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***SERVICE ON BEHALF OF THE PLANNING PROFESSION***

**Fellow of the American Institute of Certified Planners.** Selected as member of the inaugural class, 1999-Present.

**Planning Accreditation Team/Program Evaluator** - Selected as a site pool visitation team member. The purpose of the team is to evaluate graduate planning programs. It is under the direction of the American Planning Association/Association of Collegiate Schools of Planning. To date have served as a team member evaluating the University of Arizona, Arizona State University, University of Buffalo, University of Colorado, University of Florida, University of Illinois (Chicago), University of Michigan, University of New Orleans, University of Puerto Rico, San Jose State University and Texas A&M University. Also served as an evaluator of the Harvard University Ph.D. program in Architecture and Landscape Architecture (1994) and the proposed School of Planning at the University of Southern Maine.

**United States Economic Development Agency University Center Evaluator.** Responsible for evaluating the effectiveness of University Economic Development Centers at the University of Arizona, Hampton Institute, University of Maine, University of Maryland, Marshall University, Potsdam State University, and West Virginia Technical University.

**Journal Referee** - Have refereed articles for the *Journal of the American Planning Association* (15), *Journal of Landscape Architecture* (4), *Journal of Planning Literature* (5), *Journal of Urban History* (3), *Journal of Planning Education and Research* (3), *Economic Development Quarterly* (6), *The Journal of New England Business* (1), *Landscape Journal* (1) and *Journal of Planning History* (2).

**Conference Track Chair.** Joint Conference of the Association of Collegiate Schools of Planning (ACSP) and Association of European Schools of Planning (AESOP). Economic Development Track. 2003.

**Professional Associations:**

Charter Fellow of the American Institute of Certified Planners, American Planning Association,



Fulbright Association, Northeast Economic Developers Association, Society of Industrial Archeology, and the Society of Architectural Historians.

**PROFESSIONAL COMMITTEE ASSIGNMENTS**

Member: *Committee on Professional Practice*, Association of Collegiate Schools of Planning, 2003-2006.

Member: *Selection Committee*, Hubert Humphrey Fellowships in Urban Planning, 2004-Present.

Member: *Education Committee*, American Planning Association, 2004-2006.

Member: *Expert Advisor Committee*, American Planning Association, 1999-2001.

Member: *Test Selection Committee*, Education Testing Service/Planning Accreditation Board Joint Committee, 1993-2001.

Member: *Candidate Selection Committee*, Association of Collegiate Schools of Planning, 1995-1998.

Selection Committee: *Best Article of the Year Selection Committee*, American Planning Association, 1996.

Editorial Board: *Journal of the American Planning Association*, 1985-1996.

Editorial Board: *Journal of Planning Literature*, 1988-1996.

Member: *Candidate Selection Committee*, American Planning Association, 1993-1995.

Board Member: *Northeast Industrial Development Association*, 1993-1995.

Instructor, *AICP Test Preparation Program* (New England Chapter), 1990-1993.

Selection Committee: *Outstanding Planning Educator Award Selection Committee*, Association of Collegiate Schools of Planning, 1990-1991, 1993, and 1994.

Member: *Continuing Education Committee*, American Planning Association, 1990-1993.

Selection Committee: *Best Article of the Year Selection Committee*, Association of Collegiate Schools of Planning, 1987-1989.

Editor, *Bulletin of the New England Chapter of the American Planning Association*, 1983-1985.

Treasurer, *New England Chapter of the American Planning Association*, 1982-1984.

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## ***MILITARY EXPERIENCE***

### **Brigadier General, United States Army National Guard (2001-2005)**

- Received Federal Recognition on May 25, 2001
- Assistant Adjutant General (Army)
- Director, Army Education Programs

### **Colonel, United States Army National Guard (1993-2000)**

- Director, Facilities Management Office, Massachusetts Army National Guard (1997-2000).
- Senior Program Analyst, Massachusetts Army National Guard (1995-1997).
- Special Assistant to the Chief of Staff of the United States Army, The Pentagon, Washington, DC (1993-1995)
- Director, Total Quality Management Program, Massachusetts Army National Guard, (1993-1994).

### **Lieutenant Colonel, United States Army National Guard (1986-1993)**

- Special Assistant to the Adjutant General, Massachusetts Military Division (1992-1993)
- United States Army War College, Carlisle Barracks, Pennsylvania (1990-1992) (Graduated)
- Commander, 101st Engineer Battalion, 26th Yankee Division (1986-1990)

### **Major, United States Army National Guard (1980-1986)**

- Engineer Staff Officer, Massachusetts National Guard (1983-1986)
- United States Command and General Staff College, Fort Leavenworth, Kansas (1980-1983) (Graduated)

### **Captain, United States Army National Guard (1972-1980)**

- Engineer Staff Officer, Massachusetts Army National Guard (1978-1980)
- Company Commander, 46th Engineer Group, Michigan Army National Guard (1976-1978)
- Engineer Officer Advanced Course, Fort Belvoir, Virginia (1975-1976) (Graduated)

### **Captain, United States Army (1970-1972)**

- Command Executive Officer, Engineer Headquarters, Europe, Frankfurt, Germany (1971-1972)
- Chief, Plans Division, Engineer Headquarters, Europe (1970-1971)

### **Lieutenant, United States Army (1970)**

- Chief Plans Division, Engineer Headquarters, Europe, Frankfurt, Germany (1970)
- Engineer Officer Basic Course, Fort Belvoir, Virginia (1970) (Graduated)

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## ***EDUCATION BACKGROUND***

**Ph. D. in Regional Planning and Resource Development:** University of Waterloo, Waterloo, Ontario, Canada. June 1976.

**Master of Science in Business Administration:** Boston University, Boston, Massachusetts, June 1973.

**Master of City Planning:** University of Rhode Island, Kingston, Rhode Island, June 1969.

**Bachelor of Arts in Government:** University of Massachusetts (Amherst), June 1967.

**High School Diploma:** Maynard High School, Maynard, Massachusetts, June 1963.