

Date	Project	Forum	Appearance	Status
1977	Union Camp Polyament Resin Plant, Ohio	US Federal Court, Ohio	Deposition	Settled
1976	Kingdome Stadium, Washington	US Federal Court, Washington	Deposition, Testimony	Decision
1975	Rahway Valley Sewage, New Jersey	AAA Arbitration, New Jersey	Testimony	Decision
1975	Pan Am Maintenance Facility, New York	AAA Arbitration, New York City, New York	Testimony	Decision
1975	Great Adventure, New Jersey	State Court, New Jersey	Testimony	Decision

Exhibit 4

(KRN-4)

**Nielsen Prior Management Prudence  
Reviews that did not involve  
Testimony in a Regulatory Proceeding**

## Exhibit 4 (KRN-4)

Kris R. Nielsen

### Management Performance and Prudence Reviews

#### Which did not Require Testimony in Regulatory Proceedings

- 2003 Energy Black-Out in the Northeastern U.S. and Canada, U.S Federal District Court, Ohio, for First Energy
- Indian Point Nuclear Power Plant, Unit 3, State Court, New York, for Consolidated Edison
- Peach Bottom Atomic Generating Station, U.S Federal District Court, for Public Service Electric & Gas
- Cooper Nuclear Station, State Court of Nebraska, for the Nebraska Public Power District
- Millstone Nuclear Power Plant, Unit 3, American Arbitration Association, for Northeast Utilities
- Salem Nuclear Power Plant, U.S. Federal District Court, Philadelphia, for the Public Service Electric & Gas
- Diablo Canyon Nuclear Plant, Units 1 & 2, California Public Utilities Commission, for the Attorney General of California
- Comanche Peak Nuclear Power Plant, U.S Federal District Court, Texas, for Texas Utilities
- Maine Yankee Nuclear Plant, for Stone & Webster regarding prudent management of the decommissioning for utility report to the Maine Public Utilities Commission

the AAA National Construction Dispute Resolution Committee (NCDRC); and serves as a member of the AAA Board of Directors. She is also a member of the AIA and Arbitral Women (UK) arbitration panel and a member of the Dispute Resolution Board Foundation (DRBF). She has served as a sole arbitrator, Chair and member of three-member panels arbitrating a large number of disputes involving commercial and construction issues of private and governmental facilities in the energy, process, and building industries with claims ranging from US \$100,000 to US\$100 million. Dr. Galloway has also served as both a consulting and testifying expert in numerous domestic (AAA) and international arbitration forums (International Chamber of Commerce (ICC) arbitrations, UNCITRAL, SAIC, London), with disputes ranging from US\$1 million to US\$6 billion.

## Directorships

### **For-Profit Boards**

- Pegasus Global Holdings, Inc., 200-Present
- Unionville Vineyards (Partner), 1986-2008
- The Nielsen-Wurster Group, Inc., 1984-2008
- Nielsen-Wurster Asia-Pacific Pty. Ltd., 2001-2008
- Unionville Aviation, 1987-2005
- Nielsen-Wurster ESB 1986-19889

### **Non-Profit Boards**

- Life Support, 2010-Present
- American Arbitration Association, 2009-Present
- National Science Board, 2006-Present
  - Vice Chair, 2008-2010
  - Executive Committee, 2010-Present
  - Chair, 60<sup>th</sup> Anniversary Committee, 2008-2010
  - Sustainable Energy Task Force Committee, 2007-2009
  - Audit & Oversight Committee, 2006-2008
  - Polar Research Committee, 2006-2008
  - Committee on Strategy & Budget, 2006-2008
  - International Task Force Committee, 2006-2008
- Pan American Academy of Engineering, 2006-Present
- Order of the Engineer, National Board of Governors, 2004-2008
- Project Management Institute, College of Scheduling, 2003-2006
- American Society of Civil Engineers, 1992 - 1995, 2002-2005
- American Society of Civil Engineers Foundation, 2002-2005
- Construction Institute, 2004-2005
- Civil Engineering Research Foundation (CERF), 2002-2004
- Purdue University Engineering Alumni Board, 2991-2001
- Hoover Medal Award Board, 1996-1999

### **Advisory Boards / Committees**

- Independent Review Panel for Columbia River Crossing Project, 2010
- Discovery Channel, Science Channel Board of Advisors, 2009 – Present
- Eastern Washington Governor's Business Advisory Council, 2007-Present
- Construction Industry Institute Advisory Board, 2006-2009
- Construction Superconference Advisory Board, 2007-Present
- American Society of Civil Engineers Industry Leadership Council, 2008-Present

- University of Nebraska Charles W. Durham School of Architectural Engineering and Construction Academic Review Team, 2009
- Purdue University Dean's Advisory Council, 2004-2007
- Engineers for a Sustainable World, Member of Advisory Board, 2003-2007
- National Science Foundation Engineering Directorate Advisory Committee, 2004-2006
- National Science Foundation International Directorate Advisory Committee, 2006
- Civil Engineering Research Foundation (CERF), Member of Corporate Advisory Board, 2001-2005
- Project Management Institute, Publications Advisory Board, 1991-1993
- Extraordinary Women in Engineering Project, 2004-2009

#### Editorial Boards

- ASCE Journal of Legal Affairs and Dispute Resolution Board, 2009-Present

#### Awards and Honors

- ASCE 2010 *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction* Best Scholarly, Feature, Case Study Paper Award for "Design Build/EPC Contractor's Heightened Risk – Changes in a Changing World", July, 2010
- *National Society of Professional Engineers*, Member Spotlight, Fall, 2010
- *New York Institute of Technology Magazine*, Summer 2010, Volume 8, Number 3, Cover and Feature Article, "Top of Their Game"
- *Flynn's Harp*, July 21, 2010, Feature Article, "Is Gulf Spill Oil Industry's Three Mile Island?"
- National Association of Professional Executive Women (NAPEW) "Woman of the Year" in Prudence Audit Consultation, 2008
- G. Brooks Ernest Award, Cleveland (Ohio) Chapter of ASCE, 2007
- Engineering Excellence and Leadership Award, George Mason University, 2007
- CSI Michelangelo Award Panel of Judges, 2006 - 2007
- Pan American Academy of Engineering, 2006
- Sigma Kappa Colby Award, 2006
- "Who's Who in America," Edition 59, 2005
- Key Women in Energy-Global Awards, Energy Leaders Council, 2005
- National Academy of Construction, 2005
- "Who's Who of American Women," 2004 – present (listed since 1983)
- "Who's Who in the World," 2004- present
- "Who's Who in Science and Engineering," 2002-present (listed since 2002)
- YWCA Tribute to Women Honoree, 2004
- Society of Women Engineers' Upward Mobility Award, 2003
- Kentucky Governor's Award-Kentucky Colonel, 2004
- Lafayette High School Hall of Fame, Inducted 2001
- National Academy of Engineering: Celebration of Women, 2000
- White House Commission: 2000 Design Award, 1999
- Professional Leadership Award, National Professional Women in Construction, 1995
- Purdue University Distinguished Engineering Alumni Award, 1991
- Mercer County Engineer of the Year Award, 1990
- White House Fellowship Regional Finalist, 1990
- Glamour Magazine's Ten Outstanding Young Working Women for 1988
- Somerset County's Outstanding Women in Business and Industry, October 1987
- "Who's Who in America's Emerging Leaders," 1987 - Present
- Engineering News Record, "Top Women in Construction," October 1986

- “Distinguished New Engineer,” Society of Women Engineers, 1980

## Education and Courses

### **Education**

- Ph.D., Infrastructure Systems (Civil) Engineering, Kochi University of Technology, Kochi, Japan
- M.B.A., New York Institute of Technology, New York, Magna cum Laude
- B.S., Civil Engineering (double major in Structures and Construction Management), Purdue University, West Lafayette, Indiana

### **Arbitration Training**

- Managing the ICDR Guidelines on Information Exchange, (ICDR)
- Chairing the ICDR International Arbitration Tribunal, (ICDR)
- Pro Se: Managing Cases Involving Self-Represented Parties, (AAA)
- Arbitrator Ethics and Disclosure, (AAA)
- Chairing an Arbitration Panel: Managing Procedures, Process & Dynamics, (AAA)
- Arbitration Awards: Safeguarding, Deciding & Writing Awards, (AAA)
- International Training for Dispute Resolution, International Symposium in Advanced Case Management Issues, (AAA)
- Arbitrator II Training: Advanced Case Management Techniques, (AAA)
- Construction Industry Arbitrator Workshop, (AAA)
- The Dispute Review Board Administration and Practice Workshop, The Dispute Review Board Foundation
- Caltrans, CA Dispute Review Board Administration and Practice Workshop

## Languages

Spanish - conversational / good understanding of written word

## Industry/Academic Research

- National Research Council (NRC) Committee for Advancing the Productivity and Competitiveness of the U.S. Construction Industry Workshop, 2008 – 2009
- Construction Industry Institute Research Team RT 260-Reimbursable Contract –Co-Chair, 2008 – Present
- Kochi University of Technology, Doctorial Dissertation, Engineering Education Reform, 2005

## Webinar Instructor

- American Arbitration Association
- Project Management Institute College of Scheduling
- Engineer Your Life

## Authored Books/Forwards/Chapters

- Galloway, Patricia D., *The 21st Century Engineer: A Proposal for Engineering Education Reform*, ASCE Press, Reston, VA American Society of Civil Engineers, 2007
- Forward to Kusayanagi, S.; Niraula, R.; and Hirota, Y., *Principles and Practice of International Construction Project Management*, EIKO-SHA, Tokyo, Japan, 2009
- Forward to Williams, F. Mary and Emerson Carolyn J., *Becoming Leaders*, ASCE Press, Reston, VA, American Society of Civil Engineers, 2008
- Forward to Hatch, Sybil E., *Changing our World: True Stories of Women Engineers*, ASCE Press, Reston, VA, American Society of Civil Engineers, 2006

- “Anticipating Problems: Project Risk Assessment and Project Risk Management”, co-authored with K. Nielsen, Chapter 6, *Collaboration Management, New Project and Partnering Techniques*, edited by H. Schaughnessy, John Wiley & Sons 1994

### Memberships

- American Society of Engineering Education (ASEE)
- American Nuclear Society (ANS)
- American Society of Civil Engineers (Fellow) (ASCE)
  - Past President, 2004 - 2005
  - National President, 2003 - 2004
  - National President-Elect, 2002 - 2003
  - International Director of the Board, August 1992 - 1995

### *Board Activities*

- Society Awards Committee, 2004 - 2009
- Chair, Past Presidents Council, 2004 - 2005
- Chair, Executive Compensation Committee, 2004 - 2005
- Executive Committee Liaison to the Construction Institutes Board of Directors, 2003 - 2005
- Chair, Membership Committee, 2001 - 2002
- Member, Communications Committee, 2000 - 2002
- Member, Committee on Strategic Initiatives, 2000 - 2001
- Chair, Task Committee on Women in Civil Engineering, 1998 - 2000
- Member, Engineers Joint Contract Documents Committee, 1999 - 2000
- Member, ASCE Hoover Medal Board of Award, 1996 - 2000
- Member, Finance Committee, 1997 - 1999
- Chair, International Activities Committee, 1994 - 1997 (Member 1992 - 1999)
- Member of the Membership Committee, 1994 - 1996
- Member, Long Term Strategic Planning Committee, 1994 - 1995
- Chair, Audit Committee, 1994 (Member 1993 - 1994)
- Member, Visioning Task Force Committee, 1993 - 1994
- Chair, New York Convention, 1992
- Member, Teller's Committee, 1991
- Vice Chair, Orlando Convention Committee, 1990

### *Professional Activities Committee (PAC)*

- Co-chair, Engineer 2025 Summit, “Summit on the Future of Civil Engineering,” June 2006
- Member, Committee on Conventions and Conferences, 1988 - 1991
- Chair, Sessions Committee on Professional Activities, 1988 - 1990
- Member, Engineering Management Committee, 1986 - 1990

### *Technical Activities Committee (TAC)*

- Member, Professional Construction Management Committee, 1978 - 1989
- Member, Committee on Underground Tunneling, 1983 - 1986
- Subcommittee Chair, Professional Construction Management Committee, 1978 - 1985
- Session Moderator, ASCE National Spring Convention, May 1983 (Philadelphia)
- Session Moderator, ASCE National Spring Convention, May 1981 (New York)
- Co-chair, Specialty Conference on “Reduced Liability through Better Inspection and Specifications,” San Diego, February 1981
- Member, National Inspection Committee, 1979 - 1981
- Member, National Specifications Committee, 1979 - 1981

### *Local Section Activities*

## DR. PATRICIA D. GALLOWAY

- District 1 Council, Zone I, New Jersey Section Representative, 1995 - 2001
- New Jersey Section Strategic Planning Subcommittee Chair, 1996 - 1999
- Wisconsin Section, Student ASCE Club Advisor to the Milwaukee School of Engineering, October 1978 - July 1981
- Association for the Advancement of Cost Engineering International (Fellow) (AACCI)
  - Chair, National Committee-Women in Project Controls, 2004 - 2005
  - Member, National Planning and Scheduling Committee, 2003-present
  - Member, Executive Director Search Committee, 2009-present
- Chi Epsilon (National Civil Engineering Honor Society)
- Construction Institute
- Construction Management Association of America (CMAA)
- Construction Industry Institute
  - Corporate Advisory Board Member, 2007 – Present
  - Strategic Planning Committee-2009-Present
- Dispute Review Board Foundation
- Institution of Civil Engineers, United Kingdom (Fellow) (ICE)
- Institution of Engineers - Australia (Fellow)
- Extraordinary Women Engineers Project
  - Chair, National Steering Committee, 2003 - 2006
  - Member of Advisory Board, 2007 - Present
- Japan Society of Civil Engineers (JSCE)
- National Academy of Construction
- National Association of Corporate Directors
- National Council of Examiners for Engineering and Surveying (NCEES)
- National Society of Professional Engineers (NSPE)
- Order of the Engineer, 1978 - Present
- Pan American Academy of Engineers
- Project Management Institute (PMI)
  - Speaker and Instructor Bureau, 1990 - Present
  - Chair, 3rd International College of Scheduling Conference, Orlando, Florida, April 2006
  - Chair, Board of Directors, College of Scheduling, 2003 - 2006
  - Chair, 2nd International College of Scheduling Conference, Scottsdale, Arizona, May 2005
  - Chair, International College of Scheduling Conference, Montreal, Canada, April 2004
  - Member, Publications Advisory Board, 1991 - 1993
- Society for Social Management Systems
  - Chair, 2006 - Present
- Society of Petroleum Engineers
- Society of Women Engineers
  - New York Section President, 1982 - 1983
  - National Committee Chair for Headquarters Site Study, 1982 - 1983
  - National Committee Chair for Teller's Committee, 1981 - 1982
  - Wisconsin State President, 1980 - 1981
  - Wisconsin State Secretary, 1979 - 1980
- Tau Beta Pi (Honorary Member)
- Women in Engineering Programs & Advocates Network (WEPAN)
  - Mentor for Women College Engineering Students
- World Federation of Engineering Organizations (WFEO), 2004 - 2008
  - ComTech Committee Vice President, 2004 - 2007
  - US Representative to WFEO, 2006



## DR. PATRICIA D. GALLOWAY

- Member of WFEO President's Advisory Board, 2006
- Co-Chair, World Summit on Women in Science, Engineering and Technology, November 2006

### Technical Papers and Presentations

Dr. Galloway is a prolific writer and world renowned speaker having authored over 120 papers, 30 peer-reviewed journal articles and nearly 200 public speaking (including over 35 keynote addresses) engagements regarding leadership, corporate governance, ethics and professionalism, communication, risk management, dispute resolution, contract administration, program and project management, project controls, women in engineering and other topics (*see attached Technical Papers and Presentations*). Dr. Galloway has also been featured in many international publications:

- Curiosity Project, Discovery Channel, Screening in 2011
- TouchStone International Learning Management System, Online English Teaching Program, February 2010
- Interview with Patricia D. Galloway, *ADR Perspectives*, February 2010
- *Federal Technology Watch*, "Interview with National Science Board Vice Chair", January 26, 2009
- Profile of Patricia Galloway. Hatch, Sybil, *Changing Our World: True Stories of Women Engineers*, American Society of Civil Engineers, 2006
- "Building a Better Role Model", Continental Airline's *In-Flight Magazine*, November 2005 Issue
- Bad Idea. You'll Flunk Out. *Time Magazine*, Science Section, First Person: Pat Galloway, Authored by Deirdre Van Dyk, March 7, 2005 Issue
- America's Infrastructure, Live Media Radio and Television appearances in over 25 cities across the United States, October 2004
- *Engineering Marvels-Seven Modern Engineering Wonders of the World*, Co-host to ABC / Discovery Channel Television Series, April, 2004
- "Going International: Profit or Peril?" Interview with Patricia D. Galloway, Executive Vice President, The Nielsen Wurster Group, Inc., *Worldwide Projects*, Spring 1993

### Program/Project Risk Management

#### **Invited and Keynote Presentations**

- Keynote Address "Role, Responsibility and Risk Considerations of the Engineer Regarding Sustainability", Florida Engineering Society Annual Meeting, Naples, Florida, August 8, 2008
- Keynote Speaker, "Engineer, Contractor and Owner Risk in Constructed Projects," Wisconsin Transportation Builders Association WISDOT Contractor Engineer Conference, Madison, Wisconsin, January 31, 2008
- Keynote Address, "How Leaders Should be Viewing Risk Today," CII Annual Conference, Orlando, Florida, August 1, 2007
- Keynote Address, "Risks and Liabilities in Specifying HDPE Pipe," Mountain States Concrete Pipe Association 5th Annual Concrete Pipe Seminar, Illinois, February 28, 2007
- Keynote Address, "Engineer, Contractor and Owner Risk in Constructed Projects," Wisconsin Transportation Builders Association WISDOT Contractor Engineer Conference, Madison, Wisconsin, January 31, 2007
- Keynote Address, "Risks and Liabilities in Specifying HDPE Pipe," Mountain States Concrete Pipe Association 5th Annual Concrete Pipe Seminar, Salt Lake City, Utah, October 26, 2006
- Keynote Address, "Risks and Liabilities in Specifying HDPE Pipe," American Concrete Pipe Association Fall Short Course, Charlotte North Carolina, October 16, 2006

#### **Publications**

- "Design-Build/EPC Contractor's Heightened Risk - Changes in a Changing World" *Journal of Legal Affairs and Dispute Resolution*, American Society of Civil Engineers, February 2009, Volume 1, Number 1."

## DR. PATRICIA D. GALLOWAY

- Risk Based Processes that Assure Anti-Corruption Processes and Promote Transparency and Governance in Resource Extraction Industries, co-authored with Kris Nielsen, International Conference on Infrastructure Development and the Environment, Abuja, Nigeria, September 10 - 15, 2006
- "Risk Management-Now More Than Ever", Published Proceeding, World Engineers' Congress, Session C2. Sustainable Development of Mega-cities on Model of Transportation Structure, Model of Public Transportation First and so on, Shanghai, China, November 2 - 5, 2004
- Basic Project Execution Risk Management, co-authored with J. Dignum, Proceedings, North American Tunneling 2002 Conference, Seattle, Washington, May 18 - 22, 2002
- Risk Management Analysis Techniques for Projects With Significant Environmental Issues, co-authored with K. Nielsen, Proceedings, ASCE-SAS Second Regional Conference and Exhibition, Beirut, November 16 - 18, 1995
- "Project Risk Management-A Necessity for Today's Engineered Projects", Proceedings of the American Society of Civil Engineers Saudi Arabia Section First Regional Conference and Exhibition on Advanced Technology in Civil Engineering, Manama, Bahrain, September 18 - 20, 1994
- "Anticipating Problems: Project Risk Assessment and Project Risk Management," Co-authored with Kris Nielsen, Chapter 6, "*Collaboration Management, New Project and Partnering Techniques*," edited by H. Shaughnessy, John Wiley and Sons 1994
- Project Risk Management-Achieving Goals, co-authored with K. Nielsen, Proceedings, 11th INTERNET World Congress on Project Management, Florence, Italy, June 16 - 19, 1992

### Conference Presentations / Teaching / Instruction

- Design-Build/EPC Contractor's Heightened Risk - Changes in a Changing World, Canadian Society of Civil Engineering Conference, May 30, 2009
- Role, Responsibility and Risk Considerations Of the Engineer Regarding Sustainability Florida Association of County Engineers and Road Superintendents, Doral, Florida June 26, 2008
- "The 21st Century Engineer", Seminar to the Civil Department, Civil Department Advisory Committee and to the Engineering Department, University of British Columbia (UBC) Vancouver, British Columbia, Canada, May 1, 2008
- Viewing Risks and Liability in Light of Sustainability, The Environment and Critical Infrastructure, IBTTA Facilities Management Conference, Orlando, Florida, April 29, 2008
- Role Responsibility and Risk Considerations for the Engineer Regarding Sustainability, Kentucky American Concrete Pipe Association Conference, Louisville, Kentucky, October 5, 2007
- How Leaders Should be Viewing Risk Today, AES Global Engineering & Construction Conference, San Francisco, California, September 18, 2007
- "Risks and Liabilities in Specifying HDPE Pipe", American Concrete Pipe Association Fall Short Course, San Antonio, Texas, October 13, 2006
- Risk Based Processes that Assure Anti-Corruption Processes and Promote Transparency and Governance in Resource Extraction Industries, International Conference on Infrastructure Development and the Environment, Abuja, Nigeria, September 10 - 15, 2006
- Basic Project Execution Risk Management, North American Tunneling 2002 Conference, Seattle, Washington, May 18 - 22, 2002
- Panelist, "Using Risk Management Techniques to Improve the Return on Investment," The Global Construction Superconference, London, United Kingdom, November 5 - 6, 2001
- Presenter, "Risk Assessment & Management," Foster Wheeler Law Department Conference, Warren, New Jersey, October 23 - 24, 2001
- The Industry Forum for Contractors, Owners and Their Attorneys, "The Nielsen-Wurster Group Examines the Risks That Must be Recognized and Managed by Owners and Contractors in a Lump Sum, EPC Project," prepared by William K. Kerivan, presented by Patricia D. Galloway and Marianne C. Ramey, The 14th Annual Construction Industry Networking Nirvana, The Millennium Construction Superconference, The Fairmont Hotel, San Francisco, California, December 9 - 10, 1999

## DR. PATRICIA D. GALLOWAY

- Managing the Unknowns in Restarting Projects, Inter-Pacific Bar Association Ninth Annual Meeting and Conference, Shangri-La Hotel, Bangkok, Thailand, April 30 - May 4, 1999
- Panel Moderator, "Dealing with Risks on Nuclear Waste Sites," The Environmental Superconference, Washington, D.C., April 28 - 29, 1999
- Panel Moderator, "Minimizing Risk in Design / Build Projects," Construction Superconference, San Francisco, California, December 10 - 11, 1998
- In-House Training Seminar, "Project Risk Management," Panama Canal Commission, Panama, March 9 - 12, 1998
- Co-presenter, "Panel of Experts-Specific Risks to Consider," World Conference on Construction Risk III, Paris, France, April 25 - 26, 1996
- Risk Management Analysis Techniques for Projects With Significant Environmental Issues, ASCE-SAS Second Regional Conference and Exhibition, Beirut, November 16 - 18, 1995
- Co-presenter, "Panel of Experts-Specific Risks to Consider," World Conference on Construction Risk II, Singapore, October 5 - 6, 1995
- Project Risk Management-A Necessity for Today's Engineered Projects, ASCE-India Section, Calcutta, India, January 30, 1995
- Co-presenter, "Construction Management and Administration, Construction Claims and Project Risk Management," In-House Training Seminar, Pt. Wijaya Karya, Jakarta, Indonesia, January 23 - 27, 1995
- "New Risks with CPM Scheduling-Tricks of the Trade", Nielsen-Wurster Seminar on Emerging Risks in Construction: How to Minimize, Manage and Avoid Disputes, New Orleans, Louisiana, May 10 - 12, 1995; Indian Wells, California, October 19 - 21, 1994
- "A New Game Plan for Intelligent Risk Identification / Allocation, Charting the Course to the Year 2000-Together!", DART, Hyatt-Lexington, Lexington, Kentucky, October 16 - 19, 1994
- Project Risk Management-A Necessity for Today's Engineered Projects, Tarumanagara University, Jakarta, Indonesia, May 2, 1994
- Co-presenter, "Project Risk Management," Panama Canal Commission, Panama, April 20 - 22, 1994
- International Construction Law-Opportunities and Risks in the '90s, The American Bar Association Forum on The Construction Industry, Stouffer Mayflower Hotel, Washington, D.C., November 5 - 6, 1992
- Project Risk Management-Achieving Goals, 11th INTERNET World Congress on Project Management, Florence, Italy, June 16 - 19, 1992
- Co-chairman, Moderator, "Reducing Risks and Liability through Better Specifications and Inspection," ASCE Specialty Conference, San Diego, California, Spring 1981

### Management / Prudence / Performance Audits

#### Publications

- "Leadership and Risks during a Global Financial Crisis" co-authored with K. Nielsen and J. Dignum, *The Fifth Civil Engineering Conference in the Asian Region (CECAR5)*, Sidney, Australia, August 9-11, 2010
- "New Day for Prudence" co-authored with K. Nielsen and Charles W. Whitney, *Public Utilities Fortnightly*, December 2009
- "Design-Build/EPC Contractor's Heightened Risk-Changes in a Changing World", *Journal of Legal Affairs and Dispute Resolution*, American Society of Civil Engineers, February 2009, Volume 1, Number 1."
- "The Ubiquitous Requirement of Performing to High International Standards", co-authored with K. Nielsen, published Proceedings, The Second Civil Engineering Conference in the Asian Region, Tokyo, Japan, April 16 - 18, 2001
- "Combining PURPA, Prudence and Avoided Cost Rate Design; A New Cost Engineering Environment", co-authored with K. Nielsen, Proceedings, American Association of Cost Engineers 9th Annual Mid Winter Symposium Transactions, San Francisco, California, February 1987. Reprinted, *Cost Engineering*, Volume 31, No. 1, page 16, January 1989

## DR. PATRICIA D. GALLOWAY

- "The 5-Year Living Schedule", co-authored with R. Cochran, American Association of Cost Engineers Annual Convention, Atlanta, Georgia, June 1987
- "Preparing for the Utilities' Future-Managing the Prudence Issues", co authored with K. Nielsen, *Electric Potential*, Volume 2, No. 4, July - August 1986
- "Utilities Forced Delays-Controllable or Uncontrollable", co-authored with K. Nielsen, Proceedings, American Association of Cost Engineers Annual Convention, Chicago, Illinois, June 1986
- "Preparing for Utilities Future-An 'Attack Plan' for Minimizing Disallowable Costs In Outage and Future Capital Construction", co-authored with K. Nielsen, American Association of Cost Engineers, 8th Annual Mid-Winter Symposium Transactions, New Orleans, Louisiana, February 1986; Project 2, 5th Annual Outage Symposium Proceedings, Cambridge, Massachusetts, May 1986
- "Utility Prudence Time Impact Evaluation", American Association of Cost Engineers Annual Convention Transactions, Denver, Colorado, July 1985
- "The Prudence Management Audit: A New Challenge For the Civil Engineer", co-authored with K. Nielsen, American Society of Civil Engineers Spring Convention, Denver, Colorado, April 1985
- Performance Audits, co-authored with D. Law, Proceedings, Project Management Institute Symposium, Toronto, Ontario, Canada, October 1982

### Conference Presentations / Teaching / Instruction

- Deutsche Bank "Road Show", London, U.K., June 8 - 12, 2010
- Deutsche Bank "Road Show" London, U.K., April 20 - 24, 2009
- Utilities Serving Our Needs: US Experience in Serving Its Communities, National Engineering Forum-Energy, Water and Telecommunications, Cooma, NSW, Australia, April 21, 1999
- Panel Moderator, "The Multi-Billion Dollar Issue Facing the Nuclear Power Industry: Decommissioning Versus Life Extension," The Future of the US and International Environmental Industry, Washington, D.C., November 10 - 12, 1997
- Co-presenter, "Electric Utility Capital Project Prudence Issues," National Association of Regulated Utility Commissioners Annual Meeting, Hartford, Connecticut, May 1985
- Co-presenter, "Prudence Concepts," American Association of Cost Engineers, Ramapo Section, April 1985
- Performance Audits, Project Management Institute Symposium, Toronto, Ontario, Canada, October 1982

### Program/Project Management

#### Publications

- "Engineer's Liability Considerations in Specifying Corrugated High Density Polyethylene (HDPE) Pipe", *Journal of Professional Issues in Engineering Education & Practice* American Society of Civil Engineers, January 2008
- Managing Risks on Defense Projects Using CPM Scheduling, co-authored with Ed Blow, Scheduling The Next Generation: Third PMI College of Scheduling Conference, Orlando, Florida, April 23 - 26, 2006
- "CPM Scheduling - How Industry Views Its Use, Cost Engineering": *The AAACE International Journal of Cost Estimation, Cost / Schedule Control, and Project Management*, January 2006
- "Is Our Perspective Truly Global?" American Society of Civil Engineers, *ASCE News*, April 2004
- "CPM Scheduling-Its Importance in Monitoring and Demonstrating Construction Progress", published proceedings, Japan Society of Civil Engineers, JSCE First International Symposium on Construction and Project Management-Human Resources Development under Globalization, Tokyo, Japan, October 16 - 17, 2003
- Privatization and the Use of IVHS in the 1990s, Proceedings, ASCE Transportation Conference on IVHS, co-authored with K. Nielsen and M. Ramey, San Diego, California, October 1995
- The Utilization of Computer Technology in the Presence of Evidence, co authored with Pamela Moon, La Gestion de los Asuntos Mercantiles en los Juzgados de Primera Instancia, Madrid, Spain, October 26, 1994

## DR. PATRICIA D. GALLOWAY

- "CPM Schedule Delay: Window Analysis, Concurrency, and Proof", co authored with K. Nielsen and M. Ramey, Nielsen-Wurster Seminar on Emerging Risks in Construction: How to Minimize, Manage and Avoid Disputes, New Orleans, Louisiana, May 10 - 12, 1995; Indian Wells, California, October 19 - 21, 1994
- International Contract Administration Issues: Project Documentation, Dispute Proofs, Programmes, Productivity, co-authored with K. Nielsen, IDLI Conference, Rome, Italy, December 12, 1991
- "Delivering a Successful Project, Proceedings, Civil Engineering International Conference on Asian Infrastructure", Sustainable Development and Project Management, Manila, Philippines, February 19 - 20, 1998
- "Defining Scheduling", The Nielsen Wurster Group Construction Dispute Proofs Seminar Handbook, Conference, New Orleans, Louisiana, 1988 and 1989; Seattle, Washington, 1987; Lake Buena Vista, Florida, May 18 - 20, 1983; Minneapolis, Minnesota and Denver, Colorado, April 1984; Tampa, Florida and Boston, Massachusetts, May 1984
- Preparing a Project Control Specification, co-authored with K. Nielsen, Proceedings of Eleventh Annual PROJECT / 2 Utility Users Group Conference, Birmingham, Alabama, November 17 - 19, 1986
- Failure Proof Your Projects, co-authored with K. Nielsen, Consulting Engineer, June 1985
- "Scheduling the Super Projects, preprint, Engineering and Construction Projects, The Emerging Management Roles", ASCE Specialty Conference, New Orleans, Louisiana, March 17 - 19, 1982
- "Schedule Control for CPM Projects", co-authored with K. Nielsen, *Journal of the Construction Division*, Proceedings of the Society of Civil Engineers, Volume 107, No. CO2, June 1981

### Conference Presentations / Teaching / Instruction

- "Managing Your Projects to Minimize Disputes", Lecture, Construction Management School, Central Washington University, November 9, 2009
- "Trends in the Construction Industry" to the U.S. Law Firm Group Construction Committee, Buffalo, NY, October 23, 2009
- Design-Build Contracting in a Changing World, CH2M Hill in-house design-build conference, Denver, CO, October 10, 2008
- Reading Between the Pipes IKO Concrete Pipe Association, Kentucky, June 27, 2008
- Mega Projects - A Primer for Finance (or How Can Finance Help Improve Results) Nexen Finance Forum Scottsdale, AZ - Co-presentation with Jack Dignum February 19, 2008
- Managing Risks on Defense Projects Using CPM Scheduling, Scheduling The Next Generation: Third PMI College of Scheduling Conference, Orlando, Florida, April 23 - 26, 2006
- CPM Scheduling and How the Industry Views Its Use, Association for the Advancement of Cost Engineering International's 49th Annual Meeting, New Orleans, Louisiana, June 26 - 29, 2005
- Speaker, "CPM Scheduling - How Industry Views its Use," Second Annual PMI College of Scheduling Conference, Scottsdale, Arizona, May 22 - 24, 2005
- CPM Current Trends in Education: A Comparative Study Between Europe, Asia and North America, On the Road to Better Scheduling-PMICOS Conference, Montreal, Canada, April 25 - 28, 2004
- PMI Scheduling Practice Standard Panel, On the Road to Better Scheduling-PMICOS Conference, Montreal, Canada, April 25 - 28, 2004
- Moderator, "The Impacts to Public Contracting in a Post 9 / 11 Environment," Luncheon Panel, Construction Super Conference, San Francisco, California, December 2003
- CPM Scheduling, Visiting Professor, Special Lecture Series, Kochi University of Technology, Kochi, Japan, November 22, 2003
- Mission of the Civil Engineer in the Movement of Globalization, Michigan Tech University, Houghton, Michigan, January 16, 2003
- Moderator, "Conception to Birth of a Project," Infrastructure 2000, San Francisco, California, June 7, 2000
- Harmonizing Japanese and US Practices for Effective Project Management, Taisei Corporation M.I.T. Conference, Tokyo, Japan, November 1, 1996

## DR. PATRICIA D. GALLOWAY

- Employing Effective Project Management to Achieve Project Success, Taisei Corporation P.M. Conference, Tokyo, Japan, October 31, 1996
- "Tricks of the Trade New Uses and Misuses of CPM Scheduling", BCQS Project Managers Chartered Quantity Surveyors, The Nielsen-Wurster Group Construction Management Consultants, Whitman Breed Abbott & Morgan Construction Attorneys' Seminar on Controlling Construction Risk and Conserving Your Cash, Radisson Hotel, Grand Cayman Islands, February 26, 1996
- Privatization and the Use of IVHS in the 1990s, ASCE Transportation Conference on IVHS, San Diego, California, October 1995
- Co-presenter, "Construction Scheduling: Preparation, Liability, Claims and Damages," Panama Canal Commission, June 12 - 16, 1995
- The Utilization of Computer Technology in the Presence of Evidence, co authored with Pamela Moon, La Gestion de los Asuntos Mercantiles en los Juzgados de Primera Instancia, Madrid, Spain, October 26, 1994
- "CPM Schedule Delay: Window Analysis, Concurrency, and Proof", Nielsen-Wurster Seminar on Emerging Risks in Construction: How to Minimize, Manage and Avoid Disputes, New Orleans, Louisiana, May 10 - 12, 1995; Indian Wells, California, October 19 - 21, 1994
- "The Contractor's Right to Finish Early", Nielsen-Wurster Seminar on Emerging Risks in Construction: How to Minimize, Manage and Avoid Disputes, New Orleans, Louisiana, May 10 - 12, 1995; Indian Wells, California, October 19 - 21, 1994
- Co-presenter, "Project Manager nei settore delle costruzioni," Visiting Professor, University of Bologna SINNEA, Bologna, Italy, May 25 - 27, 1994
- Co-presenter, "Project Management for Design and Construction," Panama Canal Commission, Panama, June 28 - July 2, 1993
- Co-Presenter, "International Contract Administration Issues: Project Documentation, Dispute Proofs, Programmes and Productivity," Training Workshop on International Construction Contracts and Contractor Claims, The International Development Law Institute (IDLI), Rome, Italy for the Finnish International Development Agency (FINNIDA), Helsinki, Finland, October 13 - 16, 1992
- Contract Administration, Masters Degree Course, SINNEA, Istituto Di Studi Per La Cooperazione E La Piccola E Media Impresa, Bologna, Italy, September 25, 1992
- Effective Construction Contract Administration, University of Wisconsin-Madison, College of Engineering, Madison, Wisconsin, April 7 - 10, 1992
- International Contract Administration Issues: Project Documentation, Dispute Proofs, Programmes, Productivity, IDLI Conference, Rome, Italy, December 12, 1991
- Co-presenter, "Inefficiency Seminar," Florida Department of Transportation, Deland, Florida, August 1991
- Co-presenter, "Advanced CPM Scheduling," Pennsylvania Department of Transportation, West Palm Beach, Florida, May 1991
- Co-presenter, "Contract Administration," West Virginia Division of Energy, Charleston, West Virginia, March 1991
- Co-presenter, "CPM Scheduling," Kentucky Department of Transportation, Lexington, Kentucky, December 1989
- CPM Scheduling Seminar, Reale, Fosse & Perry, P.C., Pittsburgh, Pennsylvania, November 1989
- Claims Avoidance Seminar, Loney Construction Co., Inc., Keene, New Hampshire, January 1989
- Minimization of Claims Seminar, Weyerhaeuser Paper Company, Jackson, Mississippi; Birmingham, Alabama, November 1988
- "Defining Scheduling", The Nielsen-Wurster Group Construction Disputes Seminar, New Orleans, Louisiana, April 18 - 20, 1988
- Scheduling Super Projects, Visiting Professor, University of Wisconsin, Madison, Wisconsin, January 1987
- Preparing a Project Control Specification, Eleventh Annual PROJECT / 2 Utility Users Group Conference, Birmingham, Alabama, November 17 - 19, 1986
- Construction Claims Prevention and Analysis, Visiting Professor, University of Wisconsin, Madison, Wisconsin, May 1985, June 1986 and May 1987

## DR. PATRICIA D. GALLOWAY

- “Defining Scheduling”, The Nielsen Wurster Group Construction Dispute Proofs Seminar, Conference, New Orleans, Louisiana, 1988 and 1989; Seattle, Washington, 1987; Lake Buena Vista, Florida, May 18 - 20, 1983; Minneapolis, Minnesota and Denver, Colorado, April 1984; Tampa, Florida and Boston, Massachusetts, May 1984
- “The Schedule, Its Use and Development”, The Nielsen Wurster Group Scheduling Seminar, Conference, Atlanta, Georgia, October 1983
- Session Moderator, "Super Projects, Case Studies," ASCE Spring Convention, Philadelphia, Pennsylvania, May 1983
- Session Moderator, "Project Management Control," ASCE Spring Convention, New York, New York, May 1981

### Leadership / Ethics / Professionalism

#### Invited and Keynote Presentations

- Keynote Address, “Using Organizations to Advance Tomorrow’s Leaders”, Keynote Luncheon Speaker, Annual Conference, Association for Women in Science Advance Workshop, Washington, D.C., October 29, 2009
- Keynote Address, “Leadership-How Professional Organizations Can Assist”, NSF Advance Workshop, Washington, DC., October 29, 2009
- Keynote Luncheon Address, "Ethics and Professionalism-their Importance to Engineers in the 21st Century," Kentucky Society of Professional Engineers, 2008 Annual Convention, Louisville, Kentucky, April 24, 2008
- Keynote Address, "Engineer's Role in Public Policy," International Symposium on Social Management Systems, Three Gorges Dam, China, March 11, 2007
- Keynote Address, "Engineering Leadership in the 21st Century," Second Annual Luncheon at George Mason University, Fairfax, Virginia, January 30, 2007
- Keynote Address, "The Engineer's Role and Responsibility in Specifying HDPE Pipe," American Concrete Pipe Association Short Course, Nashville, Tennessee, May 5, 2006
- Keynote Address, "Leadership, Stewardship and Control," 9th Australian International Performance Management Symposium, Canberra, Australia, March 1, 2006
- Keynote Address, "What it Takes to be a Leader," Evening with Industry; California Polytechnic State University, San Luis Obispo, California, January 27, 2006
- Keynote Address, "The Engineer's Role and Responsibility in Specifying HDPE Pipe," American Concrete Pipe Association Short Course, Las Vegas, Nevada, November 9, 2005
- Keynote Address, “Leadership,” *Visiting Professor, Special Lecture Series, Kochi University of Technology*, Kochi Japan, November 22, 2004
- Opening Keynote Speaker, "Leadership and Professionalism," Rebuilding Together Annual Convention, Seattle, Washington, October 2004
- Keynote Speaker, "The Engineers Role in Public Policy, Globalization and Ethics and Professionalism," ASCE Annual Leadership Conference, New Orleans, Louisiana; New York, New York; Portland, Oregon; Chicago, Illinois, January - March 2004
- Keynote Speaker, “Ethics and Professionalism,” *Tau Beta Pi Annual Awards and Induction Dinner at the University of Florida*, December 2003
- Keynote Speaker, "Ethics and Professionalism," Society of American Military Engineers Annual Conference, Seattle, Washington, May 2003
- Keynote Dinner Address, "Motivating the Engineer," Project Management Institute, Delaware Chapter Meeting, Wilmington, Delaware, October 1989

#### Publications

- “Using Professional Organizations To Advance Tomorrow’s Leaders”, *ASCE Leadership and Management in Engineering*, October 2010, Volume 10, Number 4, pp 141 – 143

## DR. PATRICIA D. GALLOWAY

- "Ethics, Standards of Care and Your Engineering Profession", *Kentucky Engineer*, Official Publication of the Kentucky Society of Professional Engineers, Volume 44, Fall 2007 Panel Member, "Key to Company Success in Today's Global Market," Shaping the Future: Global Talent Leadership in Engineering, Princeton, New Jersey, November 2, 2006
- The Urgent Need for Leadership in Project Controls Management Ethic, Proceeding, 9th Australian International Performance Management Symposium, Canberra, Australia, February 2, 2006
- "Innovation-Engineering a Better Engineer for Today's Work Force", *Journal of Leadership and Management in Engineering*, American Society of Civil Engineers, Volume 4, Issue 4, pp. 127 - 132, October 2004
- "Lest We Forget-The Engineering Heroes", American Society of Civil Engineers, *ASCE News*, September 2004
- "What Do Dmitrov, Russia, and a Civil Engineer's Dream Have in Common?", American Society of Civil Engineers, *ASCE News*, August 2004
- "Engineers Laugh at Lawyers and Legal Issues, but Should They?", American Society of Civil Engineers, *ASCE News*, July 2004
- "Governance Restructuring: Leading ASCE into the Future", American Society of Civil Engineers, *ASCE News*, June 2004
- "ASCE's Institutes: Inclusive or Divisive", American Society of Civil Engineers, *ASCE News*, March 2004
- "Professionalism-Have We Forgotten?", American Society of Civil Engineers, *ASCE News*, February 2004
- "Public Policy: Friend or Foe in Advancing the Civil Engineering Profession", American Society of Civil Engineers, *ASCE News*, January 2004
- "Our Enthusiasm Can Be Persuasive", American Society of Civil Engineers, *ASCE News*, December 2003
- "Faculty Licensure-Will it Better the Profession?" American Society of Civil Engineers, *ASCE News*, November 2003
- "Innovative Benefits In a Small Consulting Firm", *ASCE Journal of Leadership and Management in Engineering*, Winter 2001, Volume 1, Number 1, pp. 45 - 47
- "Adjust Work Arrangements to Entice, Retain Professionals", *Engineering News Record*, Viewpoint Column, January 3 - 10, 2000

### Conference Presentations / Teaching / Instruction

- Ethics and Professionalism-Their Importance in the Oil and Gas Industry, Offshore Technology Conference, Houston, Texas, May 1, 2006
- Professionalism, Visiting Professor, Harbin University of Technology, Harbin, China, November 1, 2004
- Leadership and Professionalism, Boeing Corporation, Seattle, Washington, July 2004
- Leaders and Leadership, Visiting Professor, Special Lecture Series, Kochi University of Technology, Kochi, Japan, November 20, 2003
- Roles and Responsibilities of a Board Director, ASCE Board Orientation, Nashville, Tennessee, November 2003
- Innovative Benefits in a Small Consulting Firm, 1999 ASCE Civil Engineering Conference and Exposition, Charlotte Convention Center, Charlotte, North Carolina, October 17 - 20, 1999
- Panel Moderator, "Management of Construction Risk on Infrastructure Projects in Latin America," The Latin American Market, The Fourth Annual Conference, Turnberry Isle Resort & Club, Aventura, Florida, November 17 - 19, 1998
- Project Controls and Their Significance on International Projects, AusAID, Canberra, Australia, August 21, 1998
- Delivering a Successful Project, Worldwide Infrastructure Partnerships, New York, New York, June 24, 1998
- Civil Engineering with Stars and Stripes, presented at a joint ASCE / ICE Meeting, Epsom, United Kingdom, July 5, 1994

### Arbitration / Mediation / Dispute Resolution

### Publications



## DR. PATRICIA D. GALLOWAY

- Delay: Use of CPM Schedules for Concurrency, Allocation, Proof, and Window Analysis, Proceedings, Hurry Up and Slow Down: Dealing with Delays in Construction, American Bar Association Forum on the Construction Industry Conference, New York, New York, January 23, 1997
- The Contractor's Right to Finish Early, Proceedings, Hurry Up and Slow Down: Dealing with Delays in Construction, American Bar Association Forum on the Construction Industry Conference, New York, New York, January 23, 1997
- CPM Schedule Delay: Window Analysis, Concurrency, and Proof, co authored with K. Nielsen and M. Ramey, World Conference on Construction Risk, Paris, France, April 28 - 29, 1994
- Disruption / Productivity Cost Claim Analyses, co-authored with K. Nielsen, Construction Disputes-Analysis and Management, Winnipeg, Canada, November 1 - 5, 1993
- CPM Scheduling Delay: Window Analysis, Concurrency and Proof, co authored with K. Nielsen and M. Ramey, Construction Disputes-Analysis and Management, Winnipeg, Canada, November 1 - 5, 1993
- Overcoming Schedule Delay-Analyzing and Resolving this Project Nemesis, co-authored with K. Nielsen, IIR National Construction Conference, Sydney, Australia, August 28 - 29, 1991
- "International Construction Dispute Proofs", co-authored with K. Nielsen, Nordnet '91 Transactions: The Practice and Science of Project Management, Trondheim, Norway, June 3 - 5, 1991
- Pricing and Proving Contractor Claims for Changes in Scope and Unforeseen Conditions, Proceedings, Construction Litigation Superconference, Andrews Conferences, Inc., April 11 - 12, 1991
- "Computerized Document Control-The Expert Witness's View", co authored with Pamela Moon, *The International Construction Law Review Journal*, Volume 8, Part 2, April 1991
- Pricing and Proving Contractor Claims for Changes in Scope and Unforeseen Conditions, Proceedings, Construction Litigation Superconference, Andrews Conferences, Inc., December 6 - 7, 1990
- Contract Administration, Proceedings, Arbitration and Mediation Construction Claims Seminar, American Arbitration Association, Charleston, West Virginia, November 1, 1990
- "Evaluating the Contractor's Right to Finish Early", co-authored with K. Nielsen, Project Management Institute Book of Proceedings, Calgary, Alberta, Canada, October 16, 1990
- "Concurrent Schedule Delay in International Contracts", co-authored with K. Nielsen, *The International Construction Law Review*, Volume 7, Part 4, pp. 386 - 401, October 1990
- "Schedule Delay Concurrency Issue Analysis & Proof", co-authored with K. Nielsen, Proceedings, International Cost Congress, Paris, France, April 1990
- Pricing, Proving and Calculating Construction Claims, Proceedings, Construction Litigation Superconference, Andrews Conferences, Inc., April 6 - 7, 1989
- "Proof Development for Construction Litigation", co-authored with K. Nielsen, *The American Journal for Trial Advocacy*, Volume 7, No. 3, Cumberland School of Law of Samford University, Birmingham, Alabama, Summer 1984; Yearbook of Construction Articles, Volume 4, Federal Publications, 1985
- "Second Guessing the Engineer", co-authored with K. Nielsen, *Civil Engineering*, American Society of Civil Engineers, November 1985
- "Avoiding Lengthy and Costly Litigation by Negotiation Resolution Methods", co authored with K. Nielsen, Proceedings, American Society of Civil Engineers Spring Convention, Denver, Colorado, April 1985
- Window Analysis: An Innovative Concept to Schedule Delay Analysis, co authored with K. Nielsen, Project Management Institute, Philadelphia, Pennsylvania, October 1984
- Schedule Delay: A Productivity Analysis, co-authored with K. Nielsen, and J. Leverette, Project Management Institute National Convention Proceedings, Houston, Texas, October 1983

### Conference Presentations / Teaching / Instruction

- Panel Member, "Controlling the Discovery Monster in Arbitration", NW Dispute Resolution Conference in Seattle, May 1, 2010
- Moderator, The Cultural and Legal Landscape to Consider – Regional Considerations for International Construction Projects, 8<sup>th</sup> Annual Miami International Arbitration Conference, March 21 - 22, 2010

## DR. PATRICIA D. GALLOWAY

- "Hot Topics in International Construction Dispute Resolution", American Arbitration Association Webinar, presented with Albee Bates, September 3, 2009
- Construction Delay-How Opposing Experts Can Come to Different Conclusions From the Same Set of Facts: Honest Mistake, System Failure or Deceptive Practice, Construction Claim Advisor - Audio Conference, November 12, 2007
- Panel Member, "Intellectual Honesty in Proving Delay," Project Management Institute College of Scheduling Conference, Vancouver Canada, April 17, 2007
- Common Disputes on Light Rail Transit Projects and How to Resolve Them, Construction Superconference, San Francisco, California, December 7 - 8, 2006
- Cumulative Impact, Current Trends In Construction Law, International Project Management and Dispute Resolution: The South Central American Project, São Paulo, Brazil, June 5 - 6, 2006
- Panelist, "Intellectual Honesty in Proving Delay," Federal Board of Contract Appeals, Hilton Alexandria Mark Center, Alexandria, Virginia, April 3, 2001
- Analyzing Schedule Delay, Minimizing Risks in Construction Projects and Resolving Construction Disputes, Hong Kong, September 28 - 29, 1998
- Delay: Use of CPM Schedules for Concurrency, Allocation, Proof, and Window Analysis, Hurry Up and Slow Down: Dealing with Delays in Construction, American Bar Association Forum on the Construction Industry Conference, New York, New York, January 23, 1997
- The Contractor's Right to Finish Early, Hurry Up and Slow Down: Dealing with Delays in Construction, American Bar Association Forum on the Construction Industry Conference, New York, New York, January 23, 1997
- Delay: Use of CPM Schedules for Concurrency, Allocation, Proof, and Window Analysis, Taisei Corporation P.M. Conference, Tokyo, Japan, October 31, 1996
- CPM Schedule Delay: Window Analysis, Concurrency, and Proof, World Conference on Construction Risk, Paris, France, April 28 - 29, 1994
- Disruption / Productivity Cost Claim Analyses, Construction Disputes-Analysis and Management, Winnipeg, Canada, November 1 - 5, 1993
- Co-presenter, "Schedule Delay Analysis & Early Completion," Nielsen Wurster Seminar on Managing Risk and Minimizing Disputes in Construction Contracts, Hilton Head Island, South Carolina, October 6 - 8, 1993
- CPM Scheduling Delay: Window Analysis, Concurrency and Proof, Construction Disputes-Analysis and Management, Winnipeg, Canada, November 1 - 5, 1993
- Co-presenter, "Schedule Delay Analysis," WASHTO Annual Conference, Oklahoma City, Oklahoma, June 23 - 24, 1993
- Presenter, "Early Completion Claim Analysis and Expert Delay Analysis," The Nielsen-Wurster Seminar on Construction Issues Facing the Public Transportation Industry, Sacramento, California, April 28 - 30, 1993
- Co-presenter, "Utilizing an Expert Effectively in ADR," Resolving Disputes in International Construction Contracts through ADR, Geneva, Switzerland November 12 - 13, 1992
- "Analyzing Scheduling Delays by Use of Window Analysis", The Nielsen Wurster Seminar on Managing and Resolving Construction Disputes, Lake Tahoe, Nevada, March 1992; San Diego, California, April 1992; Key West, Florida, October 1992
- Overcoming Schedule Delay-Analyzing and Resolving this Project Nemesis, IIR National Construction Conference, Sydney, Australia, August 28 - 29, 1991
- Pricing and Proving Contractor Claims for Changes in Scope and Unforeseen Conditions, Construction Litigation Superconference, Andrews Conferences, Inc., April 11 - 12, 1991
- Pricing and Proving Contractor Claims for Changes in Scope and Unforeseen Conditions, Construction Litigation Superconference, Andrews Conferences, Inc., December 6 - 7, 1990
- Contract Administration, Arbitration and Mediation Construction Claims Seminar, American Arbitration Association, Charleston, West Virginia, November 1, 1990
- Co-presenter, "Construction Dispute Seminar," Florida Department of Transportation, Tallahassee, Florida, August 1989

## DR. PATRICIA D. GALLOWAY

- Pricing, Proving and Calculating Construction Claims, Construction Litigation Superconference, Andrews Conferences, Inc., April 6 - 7, 1989
- "Analyzing Schedule Delays By Use of Window Analyses", The Nielsen Wurster Group Construction Disputes Seminar, San Antonio, Texas, April 1991; New Orleans, Louisiana, April 18 - 20, 1988
- "Construction Delay Analysis", The Nielsen-Wurster Group Construction Disputes Seminar, New Orleans, Louisiana, April 18 - 20, 1988
- Pricing Contractor's Claims, American Society of Civil Engineers Course, "Construction Claims," Anchorage, Alaska, March 1986; San Francisco, California, May 1987
- Window Analysis: An Innovative Concept to Schedule Delay Analysis, Project Management Institute, Philadelphia, Pennsylvania, October 1984
- "The Use of Schedules in Claim Preparation", The Nielsen Wurster Group Construction Dispute Proofs Seminar, Conference, New Orleans, Louisiana, 1988 and 1989; Seattle, Washington, 1987; Lake Buena Vista, Florida, May 18 - 20, 1983; Minneapolis, Minnesota and Denver, Colorado, April 1984; Tampa, Florida and Boston, Massachusetts, May 1984
- Schedule Delay: A Productivity Analysis, Project Management Institute National Convention, Houston, Texas, October 1983

### Climate Change / Sustainability

#### Invited and Keynote Presentations

- Keynote Address, "The Role of the 21st Century Engineer in the Midst of Global Engineering Crisis" International Symposium on Futures in Civil & Construction Engineering Institution, Seoul Korea, June 17, 2008
- Keynote Address, "The Framework of Sustainability for Engineering Design Considerations" Society for Social Management Systems 2008 Kochi, Japan. March 6, 2008
- Keynote Address, "Role, Responsibility and Risk Considerations of the Engineer Regarding Sustainability," 10th Annual INFTRA-ARHCA-CEA 2007 Transportation Conference, Alberta, Canada, March 19 - 20, 2007
- Keynote Address, "The Mission of the Civil Engineer in the Movement of Globalization," Vechellio Special Lecture Series, Virginia Tech, Blacksburg, Virginia, October 2004
- Annual Convention Keynote Speaker, "Engineer for a Sustainable World," Stanford University, California, September 2004
- Keynote Speaker, "Does Scheduling Make Any Sense in Today's World?" On the Road to Better Scheduling-PMICOS Conference, Montreal, Canada, April 25 - 28, 2004

#### Publications

- Problems in Underground Construction: Lessons Learned from Failures and Methods Developed for Success, co-authored with M. Petrov, Proceedings, Underground Space for Sustainable Urban Development, ITA-AITES 2004 World Tunnel Congress, Singapore, May 2004
- "Mission of the Civil Engineer in the Movement of Globalization", published proceedings, Japan Society of Civil Engineers, JSCE First International Symposium on Construction and Project Management-Human Resources Development under Globalization, Tokyo, Japan, October 16 - 17, 2003
- "Mission of the Civil Engineer in the Movement of Globalization", ASCE *Journal of Leadership and Management in Engineering*, Journal Issue 3, Volume 3, pp. 122 - 127, July 2003

#### Conference Presentations / Teaching / Instruction

- Responding to Climate Change: The Role of the Engineer ASCE International Program, American Society of Civil Engineers, International Program, November 6, 2008

## DR. PATRICIA D. GALLOWAY

- The Engineer's Role in Public Policy, Institution of Civil Engineers Sustainable Development Forum, New York, New York, September 9, 2005
- Problems in Underground Construction: Lessons Learned from Failures and Methods Developed for Success, Underground Space for Sustainable Urban Development, ITA-AITES 2004 World Tunnel Congress, Singapore, May 2004

### Engineering Education

#### Invited and Keynote Presentations

- Keynote Address, "The 21<sup>st</sup> Century Engineer", The University of Texas at Arlington, Arlington, Texas, April 14, 2010
- Keynote Opening Address, Society of Social Management Systems 2010 Annual Symposium, Kochi University, Kochi, Japan, February 4, 2010
- Keynote Address, "Challenges Facing the Civil Engineer of the 21st Century", Canadian Society of Civil Engineering Conference, New Foundland, May 28, 2009
- Keynote Luncheon Address, "The 21st Century Engineer" Engineer's Week, University of Kentucky, Lexington, KY, February 20, 2009
- Keynote Dinner Speaker, "The Critical Need to Change the Face of Science and Engineering", NSF Advance Conference, Charleston, West Virginia, October 21, 2008
- Keynote address, "Mentoring for the 21st Century", annual Hoover Lecturer, Iowa State University, Ames, Iowa, October 1, 2008
- Keynote Dinner Speaker, "The 21st- Century Engineer: A Proposal for Engineering Education Reform", Cal Poly Pomona College of Engineering, Pomona CA, May 30, 2008
- Keynote Dinner Speaker, "Being A Leader In The 21st Century" ASCE Younger Member Evening Lecture, San Diego CA, May, 27, 2008
- Keynote Dinner Speaker, "The 21st Engineer," ASCE, The G. Brooks Earnest Awards Dinner, Cleveland, Ohio, October 9, 2007
- Keynote Address, "Engineering Education Reform," International Symposium on Social Management Systems, Three Gorges Dam, China, March 9, 2007
- Keynote Address, 2007 Western Regional Younger Member Council Banquet and Awards Ceremony, The Seattle ASCE Younger Member Forum, Seattle, Washington, February 24, 2007
- Keynote Address, "Innovation-Engineering A Better Engineer for Today's Workforce," Construction Innovation Forum, NOVA Awards Dinner, Dearborn, Michigan, April 2004

#### Publications

- New Trends in Engineering Management Education ASEE Conference, Pittsburgh PA, June 23, 2008
- Galloway, Patricia D., "The 21st Century Engineer: A Proposal for Engineering Education Reform?", Reston: American Society of Civil Engineers, 2007
- "Bachelor's Plus, The Rationale for 'Raising the Bar' in Engineering Education", *Licensure Exchange*, Publication of National Council of Examiners for Engineering and Surveying, Clemson, South Carolina, March 2004

#### Conference Presentations / Teaching / Instruction

## DR. PATRICIA D. GALLOWAY

- Panel Moderator, "*The Future of Science and Engineering Research and Education as the National Science Foundation Celebrates Its 60<sup>th</sup> Anniversary*". Advancing Science Serving Society (AAAS) Annual Conference "Bridging Science and Society," San Diego, Ca, February 20, 2010
- Panel Moderator "*The Creative Science Studio (CS squared)*" Advancing Science Serving Society (AAAS) Annual Conference "Bridging Science and Society," San Diego, Ca, February 19, 2010
- New Trends in Engineering Management Education ASEE Conference, Pittsburgh PA, June 23, 2008
- Panel Member, "Engineering Education Reform-Solutions for Professional Survival," Workplace Dynamic Panel, September 28, 2006
- Panel Member, "Engineering Education Reform-Solutions for Professional Survival," American Association of Engineering Societies, Chicago, Illinois, June 19 - 20, 2006
- Engineering Educational Reform, Panelist, Curriculum Reform Leader's Conference, Purdue University, West Lafayette, Indiana, August 30, 2005

### Women in Engineering / Diversity Issues

#### Invited and Keynote Presentations

- Keynote Address "Using Organizations to Advance Tomorrow's Leaders", Keynote Luncheon Speaker, Annual Conference, NSF ADVANCE, Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers, Program Meeting on "Broadening Participation", NSF/ Association for Women in Science Advance Workshop, Washington, D.C., October 29, 2009
- Keynote Luncheon Speaker, "What it Takes to Be a Leader," National Women in Construction Leadership Forum, San Francisco, California, September 2004
- Keynote Address, "The Love for Amelia Earhart and the Undying Quest for her Discovery," Zonta Awards Luncheon, Albany, New York, May 2004
- Keynote Address, "What it takes To Be A Leader," Women in Engineering Leadership Institute (WELI) Leadership Summit, *University of Connecticut*, Windsor, Connecticut, May 2004
- Keynote Speaker, "Breaking Through the Glass Ceiling," HDR Women's Forum 2000, Embassy Suites, Kansas City, Missouri, March 31, 2000

#### Publications

- "What Girls Want From Their Profession," *Geo-Strata*, Volume 6, Issues 1 pp.19-21, January / February 2006
- Extraordinary Stories of Women in Engineering, National Academy of Engineering, May 3, 2004
- "Emily, Amelia, et. al: Who Are These Women And Why Should We Care?," *American Society of Civil Engineers, ASCE News*, May 2004
- Leadership: Women's Role in Engineering, A Civil Engineered World, a publication of ASCE's International Affairs Department, Volume 13, Issue 1, March 2000
- The 2-Engineer Family, Proceedings, Society of Women Engineers, National Convention, Detroit, Michigan, June 1982

#### Conference Presentations / Teaching / Instruction

- How to Increase the Number of Women in Engineering ADVANCE luncheon, University of Washington, Seattle, WA, October 23, 2008.
- The Critical Need to Change the Face Of Science and Engineering, NSF sponsored workshop-Building Diversity in Higher Education: Strategies for Broadening Participation in the Sciences and Engineering, Charleston, WVA, October 21, 2008
- Becoming a Leader in the 21st Century, West Virginia University Center for Women's Studies Residency Program, March 31-April 4, 2008

## DR. PATRICIA D. GALLOWAY

- Footprints for Success: Being a Female Leader in Engineering, National Symposium for the Advancement of Women in Science (NSAWS), Harvard University, April 13, 2007
- Creating an Effective Media / Public Affairs Campaign, First National Summit on the Advancement of Girls in Math and Science, Washington, D.C., May 15, 2006
- Panelist, "Ground Breaking Women in Construction," Los Angeles, California, September 21, 2005
- Panelist, "Rising to Lead," Women's Leaders Tour, Advancement of Technology for Women (ATW), Albany, New York, Austin, Texas; San Jose, California, April - May 2004
- Panelist, "How to Become a Leader," Women in Engineering Leadership Institute (WELI) Leadership Summit, University of Connecticut, Windsor, Connecticut, May 2004
- Moderator, "High Heels are Replacing Hard Hats in the Boardroom," Construction Superconference, The Fairmont Hotel, San Francisco, California, December 8, 2000
- So Mrs. Roebling- What's Your Side of the Story? a one-woman play, 1995 ASCE Annual Convention, San Diego, California, October 1995 (over 50 play performances, multiple venues, 1995-1998)
- The 2-Engineer Family, Society of Women Engineers, National Convention, Detroit, Michigan, June 1982

**PATRICIA D. GALLOWAY***Representative Engagement Experience [Does not include engagements where served as arbitrator]*

Industry	Type	Project Name
Power	Nuclear	Bellefonte Options, TVA, United States (Alabama)
Power	Nuclear	Levy 1 & 2, Progress Energy Florida, United States (Florida)
Power	Nuclear	Vogtle 3 & 4, United States (Georgia)
Power	Nuclear	Seabrook Unit 2 Nuclear Generating Station, United States (New Hampshire)
Power	Nuclear	Millstone Unit 3, United States (Hartford, Connecticut)
Power	Nuclear	Cooper Nuclear Station, United States (Nebraska)
Power	Nuclear	Connecticut Yankee Nuclear Plant, United States (Connecticut)
Power	Nuclear	Millstone Point Nuclear Generating Station, Units 2 and 3, United States (Waterford, Connecticut)
Power	Nuclear	Indian Point Nuclear Power Plant Unit 3, United States (New York)
Power	Nuclear	Texas Utilities Stockholder Litigation, United States (Texas)
Power	Nuclear	Salem and Hope Creek Nuclear Power Plants, United States (New Jersey)
Power	Nuclear	South Texas Nuclear Plant, United States (Texas)
Power	Nuclear	Trojan Nuclear Power Plant, United States (Oregon)
Power	Nuclear	Shoreham Nuclear Plant, United States (Long Island, New York)
Power	Nuclear	Nine Mile Power Plant, United States (New York)
Power	Nuclear	Bellefonte Nuclear Power Plant, United States (Jackson County, Alabama)
Power	Nuclear	Millstone 2 Nuclear Power Plant, Waterford, United States (Connecticut)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Power	Nuclear	Cooper Nuclear Station, United States (Nebraska)
Power	Nuclear	Washington Public Power Supply Nuclear Plants, United States (Washington)
Power	Nuclear	Comanche Peak Steam Nuclear Electric Station, Units 1 & 2, United States (Texas)
Power	Nuclear	Clinton Nuclear Generating Station, Decatur, United States (Illinois)
Power	Nuclear	Pilgrim I Nuclear Power Plant, United States (Massachusetts)
Power	Nuclear	Vogtle 1 & 2, Nuclear Generating Station, United States (Waynesboro, Georgia)
Power	Nuclear	Palo Verde Nuclear Generating Station, United States (Palo Verde, Arizona)
Power	Nuclear	Perry Nuclear Generating Station, United States (Ohio)
Power	Nuclear	Seabrook Nuclear Generating Station Unit 1 and Unit 2, United States (New Hampshire)
Power	Nuclear	Millstone 3 Nuclear Generating Station, United States (Connecticut)
Power	Nuclear	Waterford Unit 3, United States (Louisiana)
Power	Nuclear	Shoreham, United States (New York)
Power	Nuclear	Hanford, United States (Washington)
Power	Nuclear	Wolf Creek, United States (Kansas)
Power	Nuclear	Maine Yankee, United States (Maine)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Kansas City Power and Light (KCP&L) Iatan Units 1&2
Power	Cogeneration/ Combined Cycle/Fossil Fuel	La Paloma Combined Cycle Power Plant, United States (California)



<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
<b>Industry</b>	<b>Type</b>	<b>Project Name</b>
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Sacramento Municipal Utility District Consumnes Combined Cycle Plant, United States (California)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Marshall Islands Power Plant Demolition, United States Territory (Marshall Islands)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Paiton Units 1 & 2, Indonesia
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Paiton Units 7 & 8, Indonesia
Power	Cogeneration/ Combined Cycle/Fossil Fuel	JEA Northside, United States (FL)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Osbourne, Australia
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Jiu Jiang Power Plant, China
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Scherer Fossil Power Plant, United States (Forsyth, Georgia)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Cleveland Electric Illuminating Company, Fossil Power Plants, United States (Cleveland, Ohio)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Jeffrey Energy Center, United States (Kansas)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Wolf Hollow Plant, United States (Texas)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Covert Plant, United States (Michigan)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Dearborn Industrial Generation Project, United States (Michigan)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Illinois Power Company, United States (Illinois)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	SMUD Cosumnes Power Plant and Pipeline Project, United States (California)
Power	Cogeneration/ Combined Cycle/Fossil Fuel	Fossil Power Plant, Bulgaria
Power	Geothermal	Wayang Windu Geothermal Power Project, Indonesia (Java)
Power	Hydro	Casecnan Multipurpose Project II
Power	Hydro	Xiaolangdi Dam, China
Power	Hydro	Casecnan Multi-Purpose Project, Philippines (Northern Luzon)
Power	Hydro	Cirata II, Indonesia
Power	Hydro	Sulpher Creek Hydro Power Plant, United States (California)
Power	Hydro	Mill to Bull Creek Tunnel, United States (California)
Power	Waste to Energy	Valorsul Waste-To-Energy Plant, Europe (Portugal)
Power	Wind Power	Brazos Wind Farm, United States (Texas)
Power	Wind Power	Caprock Wind Farm, United States (New Mexico)
Infrastructure / Transportation	Roadways	Shawnee Mission Parkway, United States (Kansas)
Infrastructure / Transportation	Roadways	KDOT Project, United States (Kansas)
Infrastructure / Transportation	Roadways	151st Street Bridge Project, United States (Olathe, Kansas)
Infrastructure / Transportation	Roadways	New Jersey Turnpike, Section 5B-3, United States (New Jersey)

<b>PATRICIA D. GALLOWAY</b> <i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
<b>Industry</b>	<b>Type</b>	<b>Project Name</b>
Infrastructure / Transportation	Roadways	City Link, Melbourne, Australia (Victoria)
Infrastructure / Transportation	Roadways	Turnpike Operations Management System, United States (Florida)
Infrastructure / Transportation	Roadways	Texas Department Of Transportation Group 5 Matter, United States (Texas)
Infrastructure / Transportation	Roadways	State Highway US 290 Travis County, United States (Texas)
Infrastructure / Transportation	Roadways	Asphalt Resurfacing Project, Highway 9, United States (Allen, Nebraska)
Infrastructure / Transportation	Roadways	Electronic Toll Collection System, United States (Florida)
Infrastructure / Transportation	Roadways	Houston Ship Channel Cable-Stayed Bridge, United States (Baytown, Texas)
Infrastructure / Transportation	Roadways	Blue Route Section 200
Infrastructure / Transportation	Roadways	Kenton County Lexington-Covington Road, United States
Infrastructure / Transportation	Roadways	Lief Erikson Tunnel, United States (Minnesota)
Infrastructure / Transportation	Bridges	Columbia River Crossing, Independent Review Panel , United States (Oregon, Washington)
Infrastructure / Transportation	Bridges	Veteran's Expressway, Tampa, United States (Florida)
Infrastructure / Transportation	Bridges	Interstate 75, Kentucky (Lexington and Covington Road) United States (Kentucky)
Infrastructure / Transportation	Bridges	Vancouver Millennium Sky Train Project, Canada (British Columbia)
Infrastructure / Transportation	Bridges	Hillsborough Avenue Bridge, United States (Tampa, Florida)
Infrastructure / Transportation	Bridges	Tsing Ma Bridge, China (Hong Kong)
Infrastructure / Transportation	Bridges	Naim Avenue Overpass Project, Canada (Manitoba)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Infrastructure / Transportation	Bridges	New Smyrna Beach Bridge, United States (Florida)
Infrastructure / Transportation	Bridges	Hastings Bridge, Hastings, United States (Minnesota)
Infrastructure / Transportation	Bridges	Post Tensioned Segmental Bridge, Bexar County, United States (Texas)
Infrastructure / Transportation	Bridges	Interstate Highway Bridges, United States (Gary, Indiana)
Infrastructure / Transportation	Bridges	Gloucester Inlet Bridge, United States (Massachusetts)
Infrastructure / Transportation	Airports	Yosemite International Airport, United States (Fresno, California)
Infrastructure / Transportation	Airports	Port of Seattle-Task 7, United States (Seattle, Washington)
Infrastructure / Transportation	Airports	International Airport, Malaysia
Infrastructure / Transportation	Airports	Kuala Lumpur International Airport, Malaysia (Kuala Lumpur)
Infrastructure / Transportation	Airports	Indianapolis International Airport, United Airlines Maintenance Operation Center, United States (Indiana, Indianapolis)
Infrastructure / Transportation	Telecommunication	AT&T Broadband, United States (Illinois, Missouri, Michigan)
Infrastructure / Transportation	Defense	TADRS (Tactical Air Defense Radar System), Australia (Melbourne)
Infrastructure / Transportation	Rail	Sound Transit Light Rail, United States (Washington)
Infrastructure / Transportation	Rail	Phoenix Light Rail Transit, United States (Arizona)
Infrastructure / Transportation	Rail	Pentagon City Subway Station, United States (Virginia)
Infrastructure / Transportation	Rail	Rohr Transit Cars, United States (Washington, D.C)
Infrastructure / Transportation	Rail	North Harlem To Brewster (Hudson Harlem Lines) Electrification Program, United States (New York)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
<b>Industry</b>	<b>Type</b>	<b>Project Name</b>
Infrastructure / Transportation	Rail	London Crossrail Project, United Kingdom (London)
Infrastructure / Transportation	Rail	Taisei-Metro Extension Project, Bulgaria (Sofia)
Infrastructure / Transportation	Rail	Regional Fast Rail Project (RFRP), Australia (Victoria)
Infrastructure / Transportation	Rail	Southern New Jersey Light Rail Transit System, United States (New Jersey)
Infrastructure / Transportation	Rail	Singapore Mass Rail Transit, Singapore
Infrastructure / Transportation	Rail	Toronto Transit Commission Subway Line Expansion, Canada (Toronto, Ontario)
Infrastructure / Transportation	Rail	Shaw Subway Station, United States (Washington, D.C.)
Infrastructure / Transportation	Rail	Stamford Railroad Station Stamford, United States (Connecticut)
Infrastructure / Transportation	Ship / Seaport	Central Terminal Expansion Claim Review, United States (Washington)
Infrastructure / Transportation	Ship / Seaport	Port of Seattle United States (Washington)
Infrastructure / Transportation	Ship / Seaport	Port of Seattle, United States (Washington)
Infrastructure / Transportation	Ship / Seaport	Lahad Datu Port Expansion, Malaysia
Infrastructure / Transportation	Ship / Seaport	Panama Canal Transfer Station, Panama Canal Zone
Infrastructure / Transportation	Ship / Seaport	Riofil / Manila South Harbor Pier 5 Extension, Philippines
Infrastructure / Transportation	Ship / Seaport	City of Venice Floodgate Bid Review, Italy
Infrastructure / Transportation	Ship / Seaport	F/V Arctic Storm Ship Conversion, United States (Washington)
Infrastructure / Transportation	Ship / Seaport	Deep Sea Drilling Ship, United States (Texas)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Infrastructure/ Transportation	Seminar / Training	Japan Bank for International Cooperation
Infrastructure/ Transportation	Seminar / Training	West Virginia DOT Training Seminar, United States (West Virginia)
Infrastructure/ Transportation	Seminar / Training	Claims Seminar, Texas Department of Transportation, United States (Texas)
Infrastructure/ Transportation	Seminar / Training	Project Risk Management Seminar: Panama Canal
Infrastructure/ Transportation	Seminar / Training	Partnering Seminar, United States (Kentucky)
Infrastructure/ Transportation	Seminar / Training	Florida Department Of Transportation, United States (Florida)
Infrastructure/ Transportation	Seminar / Training	Seminar: Division Of Energy, United States (West Virginia)
Infrastructure / Transportation	Other	American Concrete Pipe Association (ACPA) Independent Research, United States (Tennessee)
Infrastructure / Transportation	Other	Japan Ministry of Land, Infrastructure and Transport, Analysis of US Public Construction Contracting Practice, Japan
Infrastructure / Transportation	Other	Fish Barrier Project (FBP) United States (Washington)
Infrastructure / Transportation	Other	Seattle Public Utilities (SPU) and SeaTran, United States (Washington)
Industrial / Process	Chemical / Petrochemical	Palmetto Lime Facility, United States (Columbia, South Carolina)
Industrial / Process	Chemical / Petrochemical	PET Production Plants, Argentina, Holland, Spain
Industrial / Process	Chemical / Petrochemical	Zinc Recovery Plant, United States (California)
Industrial / Process	Chemical / Petrochemical	FMC Baltimore Sulfentrazone Plant, United States (Maryland)
Industrial / Process	Chemical / Petrochemical	Seraya Island Petrochemical Project, Singapore (Seraya Island)
Industrial / Process	Oil / Gas	Nations Petroleum Steam -- Flood Project, United States (California)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Industrial / Process	Oil / Gas	PML Project (Shinwha Claim) Singapore
Industrial / Process	Oil / Gas	Minerva Project
Industrial / Process	Oil / Gas	PEMEX Combisa EPC 22, Mexico
Industrial / Process	Oil / Gas	GASYRG (Willbros)
Industrial/Process	Oil/Gas	PEMEX, Cantarell Project, Mexico
Industrial / Process	Oil / Gas	Foster Wheeler SINCOR Coker Project
Industrial / Process	Oil / Gas	Luberef Refinery Project, Saudi Arabia
Industrial / Process	Oil / Gas	PEMEX Demineralization Plant, Mexico (Tula, Hidalgo)
Industrial / Process	Oil / Gas	Perez Companc-Norcen-Corod Oritupano-Leona Oil Fields, Eastern Venezuela
Industrial / Process	Oil / Gas	Altona Refinery Expansion, Australia (Melbourne)
Industrial / Process	Oil / Gas	INCO 92 Project, Gas Recompression Plants, Venezuela (Lake Maracaibo)
Industrial / Process	Oil / Gas	Ahmadi Oil Distribution Facility, Kuwait
Industrial / Process	Oil / Gas	Nippon Steel On-Site Auditing / Risk Management
Industrial / Process	Pulp & Paper Mill	Chemical Recovery System at Pulp & Paper Mill, United States (Columbus, Mississippi)
Industrial / Process	Pulp & Paper Mill	Weyerhaeuser Pulp and Paper Mill, Training, Contract and Administration
Industrial / Process	Microchip	Sperry Micro-Chip Manufacturing & Research Facility, United States (Minnesota)
Industrial / Process	Pipelines	Sakhalin Pipeline Project, Russia
Industrial / Process	Pipelines	Bolivia Pipeline, South America (Bolivia)
Industrial / Process	Pipelines	Bombax Pipeline Project, Caribbean (Trinidad, Tobago)
Industrial / Process	Pipelines	HBJ Gas Pipeline, India
Industrial/Process	Water Plant	Central Brown County, United States (Wisconsin)
Industrial / Process	Water Plant	Pinellas County Water System Pipeline, United States (Florida)
Industrial / Process	Water Plant	Mount Hope Water Main Project, Panama
Industrial / Process	Wastewater / Environmental	Upper Rouge Tunnel, United States (Detroit, Michigan)

**DR. PATRICIA D. GALLOWAY**

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Industrial / Process	Wastewater / Environmental	Passaic Valley Sewerage Commissioners Thickening Centrifuge Facility, United States (New Jersey)
Industrial / Process	Wastewater / Environmental	Milwaukee Water Pollution Abatement Program, United States (Wisconsin)
Industrial / Process	Wastewater / Environmental	South Bay Wastewater Treatment Plant, California, United States (San Diego)
Industrial / Process	Wastewater / Environmental	Babylon Solid Waste Recovery Plant
Industrial / Process	Wastewater / Environmental	Hamilton Wastewater Treatment Plant, United States (New York)
Industrial / Process	Wastewater / Environmental	Rockland County Sewer District Treatment Plant, United States (New York)
Industrial / Process	Wastewater / Environmental	Secondary Facilities At Newark Bay Pumping Station, United States (New Jersey)
Industrial / Process	Wastewater / Environmental	Bowery Bay Wastewater Treatment Plant, United States (New York)
Industrial / Process	Wastewater / Environmental	St. Joseph Wastewater Treatment Plant, United States (Missouri)
Industrial / Process	Wastewater / Environmental	Bergen Point Wastewater Treatment Plant, United States (New York)
Industrial / Process	Wastewater / Environmental	Coney Island Water Pollution Control Project, United States (New York)
Industrial / Process	Wastewater / Environmental	Water Treatment Plant, United States (Georgia)
Industrial / Process	Wastewater / Environmental	Weyerhaeuser Fish Hatchery, United States (Medford, Oregon)
Industrial / Process	Wastewater / Environmental	Asbestos White Paper Development-Evert & Weathersby
Industrial / Process	Wastewater / Environmental	Foster Wheeler Asbestos Litigation, United States (New Jersey)
Industrial / Process	Wastewater / Environmental	Wastewater Treatment Plant, Canada (Manitoba)
Industrial / Process	Iron / Steel Manufacturing	POSVEN Hot Briquette Iron Plant, Venezuela (Puerto Ordaz)



<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Industrial / Process	Iron / Steel Manufacturing	Kvaerner-IPSCO Steel Plant
Industrial / Process	Iron / Steel Manufacturing	Delta Brands Subcontract PPPL and ARP Expediting Services
Industrial / Process	Iron / Steel Manufacturing	IPSCO Mini-Mill, United States (Iowa)
Industrial / Process	Iron / Steel Manufacturing	NKK Steel Continuous Galvanizing Project, United States (Michigan)
Industrial / Process	Iron / Steel Manufacturing	Republic Steel Mill Project, United States (Ohio)
Industrial / Process	Iron / Steel Manufacturing	Union Park CSO Pump Station and Detention Facility, United States (Massachusetts)
Industrial / Process	Pharmaceutical	Pharmaceutical Production Plant, Singapore
Industrial / Process	Pharmaceutical	Bulk Pharmaceutical Plant, Singapore
Industrial / Process	Pharmaceutical	Squibb Animal Test Facility, United States (New Jersey)
Industrial / Process	Mining	Nickel-Cobalt Refinery, Western Australia
Industrial / Process	Fertilizer Plant	Petro Vietnam Fertilizer Plant, Phu My Province, Vietnam
Buildings	Educational Facilities	DeKalb County School District, United States (Georgia)
Buildings	Educational Facilities	Delgado Community College, United States (New Orleans)
Buildings	Educational Facilities	Rutgers University Records Center, United States (New Brunswick, New Jersey)
Buildings	Educational Facilities	Washoe County School District, United States (Reno, Nevada)
Buildings	Educational Facilities	Plainsboro Middle School, United States (New Jersey)
Buildings	Educational Facilities	Hunter College, United States (New York)
Buildings	Educational Facilities	York College, United States (New York)
Buildings	Educational Facilities	School Project, Indiana (Indianapolis)
Buildings	Resorts / Casinos / Hotels	Regent Las Vegas Resort, United States (Las Vegas)
Buildings	Resorts / Casinos / Hotels	Hotel / Condominium Complex, Indonesia (Jakarta)
Buildings	Resorts / Casinos / Hotels	Phoenician Hotel and Resort, Arizona (Scottsdale)

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
Industry	Type	Project Name
Buildings	Resorts / Casinos / Hotels	Westin Hotel, United States (Texas)
Buildings	Resorts / Casinos / Hotels	Safety Harbor Spa, United States (Florida)
Buildings	Resorts / Casinos / Hotels	Intercontinental Hotel, United States (Texas)
Buildings	Resorts / Casinos / Hotels	Hyatt Regency Hotel, United States (Missouri)
Buildings	Apartments / Condominiums / Housing	99100 Park Towers at Hughes Center, United States (Las Vegas)
Buildings	Apartments / Condominiums / Housing	Ortley Beach Commons, United States (New Jersey)
Buildings	Apartments / Condominiums / Housing	Louisville Housing Authority Project, United States (Kentucky)
Buildings	Centers / Arenas	University of Washington Basketball Arena, United States (Washington)
Buildings	Centers / Arenas	Jacksonville Pre-Trial Detention Center, United States (Florida)
Buildings	Centers / Arenas	San Diego Convention Center, United States (San Diego, California)
Buildings	Centers / Arenas	Washington State Convention Center, United States (Washington)
Buildings	Centers / Arenas	Worcester Civic Center (Centrum), United States (Massachusetts)
Buildings	Centers / Arenas	Riverside Civic Center, United States (New York)
Buildings	Stadiums	Fresno Multipurpose Stadium, (Grizzlies Stadium) United States (California)
Buildings	Stadiums	Arizona State University, Sun Devil Stadium Expansion, United States (Arizona)
Buildings	Medical / Hospitals	Alameda-Mortenson Analysis, United States (California)
Buildings	Medical / Hospitals	Alameda County Medical Center / Highland General Hospital, United States (California)

**DR. PATRICIA D. GALLOWAY**

<b>PATRICIA D. GALLOWAY</b>		
<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
<b>Industry</b>	<b>Type</b>	<b>Project Name</b>
<b>Buildings</b>	<b>Medical / Hospitals</b>	Colombo General Hospital, Sri Lanka (Colombo)
<b>Buildings</b>	<b>Medical / Hospitals</b>	Stoney Brook Hospital, United States (New York)
<b>Buildings</b>	<b>Medical / Hospitals</b>	Madigan VA Hospital, United States (Washington)
<b>Buildings</b>	<b>Medical / Hospitals</b>	Kodiak Health Care Facility, United States (Alaska)
<b>Buildings</b>	<b>Medical / Hospitals</b>	University Medical Center, United States (Louisiana)
<b>Buildings</b>	<b>Research Laboratory</b>	TA-35 Los Alamos National Laboratory, United States (New Mexico)
<b>Buildings</b>	<b>Offices</b>	Unit Atrium One Building, United States (Ohio)
<b>Buildings</b>	<b>Offices</b>	One Summit Square Office Building, United States (Indiana)
<b>Buildings</b>	<b>Offices</b>	Equitable Tower Office Building, United States (New York)
<b>Buildings</b>	<b>Offices</b>	Loney Construction Brattleboro Projects, United States (Vermont)
<b>Buildings</b>	<b>Offices</b>	IBM Office Complex, United States (New York)
<b>Buildings</b>	<b>Offices</b>	Gold Building Parking Garage, United States (Connecticut)
<b>Buildings</b>	<b>Offices</b>	American Standard Office Building, United States (Oklahoma)
<b>Buildings</b>	<b>Distribution / Storage / Warehouse</b>	Olefins Terminal Storage Complex
<b>Buildings</b>	<b>Distribution / Storage / Warehouse</b>	TRW Record Storage Complex, United States (New Jersey)
<b>Buildings</b>	<b>Distribution / Storage / Warehouse</b>	New Jersey State Food Distribution Center, United States (New Jersey)
<b>Buildings</b>	<b>Distribution / Storage / Warehouse</b>	Trenton Record Storage Center, United States (New Jersey)
<b>Buildings</b>	<b>Seminar / Training</b>	Princeton University Summit, United States (New Jersey)
<b>Buildings</b>	<b>Seminar / Training</b>	Nexon Corporate Management, Risk Management / Progress / Project Management Training, United States.
<b>Buildings</b>	<b>Seminar / Training</b>	AES: Corporate / Project Management, Risk Management Training, United States & Canada
<b>Buildings</b>	<b>Other</b>	Parking Garage, United States (Ohio)
<b>Environmental</b>	<b>Other</b>	New Jersey Sludge Drying / Fertilizer Facility, United States (New Jersey)

**DR. PATRICIA D. GALLOWAY**

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<i>Representative Engagement Experience [Does not include engagements where served as arbitrator]</i>		
<b>Industry</b>	<b>Type</b>	<b>Project Name</b>
<b>Environmental</b>	<b>Other</b>	Blydenburgh Landfill, United States (New York)
<b>Environmental</b>	<b>Other</b>	Transuranic Storage Area Retrieval Enclosure, United States (Idaho)
<b>Environmental</b>	<b>Other</b>	Warren County Landfill, United States (New Jersey)
<b>Other</b>	<b>Seminar / Training</b>	University of Wisconsin-Madison Seminar, United States (Wisconsin)
<b>Other</b>	<b>Seminar / Training</b>	Fluor Corporate Risk / Claims Management, United States (California)
<b>Other</b>	<b>Seminar / Training</b>	Claims Avoidance & Management Training, United States (Arizona)
<b>Other</b>	<b>Seminar / Training</b>	Identifying, Minimizing & Quantifying Risk, England (London)
<b>Other</b>	<b>Seminar / Training</b>	Claims Seminar On Construction Issues, Canada (Manitoba)
<b>Other</b>	<b>Seminar / Training</b>	CPM Scheduling Course, United States (Pennsylvania)
<b>Other</b>	<b>Seminar / Training</b>	Claims Minimization Seminar, United States (New Hampshire)
<b>Other</b>	<b>Other</b>	Nunez Employment Discrimination Suit, United States (Texas)
<b>Other</b>	<b>Other</b>	Foster Wheeler Risk Management Corporate Advisor
<b>Other</b>	<b>Other</b>	Royal Grading Golf Course and Country Club



## JACK L. DIGNUM M.A., CFCC

Senior Vice President, Chief Operating Officer and Principal

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### Areas of Expertise

- Management Consulting
- Corporate Governance
- Risk Management
- Risk Assessment and Audits
- Entitlement
- Prudence Analysis and Audits
- Project Management Training
- Industry Best Practices
- Risk Management Training and Instructional Programs
- Project Delivery and Constructing Methodologies
- Compliance Review / Audits
- Project Management Standard of Care
- Project Control Systems
- Damages Calculation
- Claims Prevention
- Disruption / Productivity

### Professional Experience

Mr. Dignum is a Senior Vice President, the Chief Operating Officer and a Principal of Pegasus Global Holdings, Inc. Drawing upon 30 years of experience in project management and controls, project risk management and contract disputes, Mr. Dignum is extensively involved in all aspects of Pegasus' Management Consulting and Risk Management services. Having held senior positions with both owner and contractor organizations in private and public environments, he is fully knowledgeable and experienced with the roles and tasks needed to ensure successful completion of complex projects throughout the building, power, process, infrastructure and transportation industries.

Mr. Dignum has expertise in Management Consulting formal management compliance reviews and audits; contract formation, negotiation and compliance; project management system design and development; project control system development, implementation and use; and organization of project management teams and structures. Mr. Dignum has performed project prudence audits, progress assessments, change management and control functions, and has consulted on critical issues and Lessons Learned. He has led project management teams, including project management and controls formation, implementation and results assessment, and analyzed schedules, delay and cost impacts. He has developed extensive project management training programs for a variety of audiences (owners, contractors, engineers and constructors) in private, multinational corporations as well as local, state and federal government agencies.

Mr. Dignum's Risk Management experience includes the design, development and implementation of a project risk management program for a large, international EPC contractor; development of several risk management techniques, tools and systems addressing risk identification, quantification, avoidance and mitigation plans; risk element integration into standard project control tools; and project specific risk profiling. He has led risk management teams in projects in North America, Australia, Europe, Asia and South America for both owner and contractor clients ranging in value from \$500,000 to over \$12 billion. Mr. Dignum has taught numerous training courses in every aspect of risk management in the construction industry.

Megaprojects, by industry definition, are very large investment projects that attract a high level of public attention or political interest because of substantial direct and indirect impacts on the community, environment and budgets. They are generally defined as major infrastructure projects that cost more than \$1 billion.

Mr. Dignum has significant global experience with megaprojects costing several times this minimum definition. He has been a member of and led teams on engagements such as Crossrail Project, London, United Kingdom at £10 billion; Consortium Contractor, Marine Facility, Europe at \$6 billion; Washington Public Power Supply Nuclear Plant, Washington, North America at \$24 billion; Comanche Peak Steam Nuclear Electric Station Units 1 and 2, Texas, North America at \$9 billion; Parramatta Rail Link Project, New South Wales, Australia at \$2.7 billion and Zimmer Nuclear Power station Ohio, North America at \$1.2 billion.

Mr. Dignum was Senior Vice President, the Chief Quality Officer and a Principal of The Nielsen-Wurster Group, Inc. where in the Dispute Resolution Division, he has led and participated in myriad dispute resolution engagements, with claims ranging from \$50,000 (differing site condition issues under mediation) to \$1.5 billion (federal court litigation on a nuclear power plant). As an Engagement Director, Mr. Dignum oversees Dispute Resolution analyses and evaluations performed by Nielsen-Wurster's interdisciplinary teams. He has worked on a wide range of issues involving management standard of care, schedule delay, disruption, change orders, productivity and inefficiency, acceleration, early completion, causation / responsibility, measured mile, damage calculations, cumulative impact, termination and fraud. As a specialist in project management standards of care, project controls, contract formation, causation and damages, he also serves as an active project team member. Mr. Dignum has prepared expert witness reports for international arbitrations (AAA, ICC, and SIAC) on claims involving breach of contract, project management standards, contract formation, scheduling, cost controls, labor productivity and other issues.

Prior to joining Pegasus, Mr. Dignum served as Senior Contracts Director of the Americas at Kvaerner E&C, a major multinational engineering, procurement and construction (EPC) firm, where he directed, designed, implemented and presented Kvaerner's E&C Risk Awareness Initiative to project management personnel. He was responsible for resolving and managing international claims and disputes, including the analysis of dispute and claim positions and the engagement of legal and expert assistance. Mr. Dignum also held previous positions of Manager of Subcontracting and Project Controls Manager while at Kvaerner, and as Project Manager and Contracting Manager at private construction claims consulting firms. Mr. Dignum was Division Chief for a Federal Health and Human Resources regional grant-in-aid program, where he was responsible for operations, management and supervision of division staff; consultation with state government divisions and officials on program initiation and operations; fiscal management and oversight of federal funding; project planning and operations; drafting and enforcement of federal regulations; and consultation on federal program legislation.

Mr. Dignum has rendered his expertise both in the public as well as private sectors. His experiences include working as a Project Manager for the State of Colorado and as Division Chief, US Department of Health, Education and Welfare, Region VII, Denver, Colorado. Mr. Dignum has managed all AOA Title 3 programs in six state regions. He has conducted program and performance audits as required by federal legislation. He has shown his expertise in Development Program Planning and Management System and trained state personnel in use and implementation of that system. Mr. Dignum also taught two summer seminars at the University of Southern California in Project Planning, Management and Evaluation. He has participated in redrafting of the enabling act in 1978 in Washington, D.C.

### Registrations / Certifications

- Certified Forensic Claims Consultant (CFCC)
- Certificate of Director Education, NACD