

Dr. Patricia D. Galloway

Chief Executive Officer

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Profession Arbitrator; Mediator; Management Consultant; Project Management Professional; Advisor - Energy and Infrastructure Industries

Education Purdue University (BS, Civil Engineering-1978); New York Institute of Technology (MBA, Finance-1984); Kochi University of Technology (PhD, civil engineering-2005); Pepperdine Law School-Strauss Institute of Dispute Resolution (Certificate of Dispute Resolution-in progress).

Work History Chief Executive Officer, Pegasus Global Holdings, Inc. 2008-present; US National Science Board, 2006-5/2012 (Consultant to NSB 5/2012-present); Chief Executive Officer/President/Executive Vice President/Senior Consultant & Project Manager, The Nielsen-Wurster Group, Inc., 1981-08; Chief Executive, Nielsen-Wurster Asia-Pacific PTY, Ltd., 2001-08; General Manager, Unionville Ranch LLC, 1997-present; General Partner, Unionville Vineyards, 1987-08; President, Unionville Aviation, 1989-04; President, Nielsen-Wurster/ESB, 1985-87; Master Program Scheduler/Tunnel Inspector/Program Scheduling/Engineer/Project Engineer, CH2M Hill, Milwaukee Water Pollution Abatement Program 1978-81.

Alternative Dispute Resolution Experience ADR experience includes arbitration, mediation, dispute review boards, and project neutrals. Has over 30 years of experience in US domestic and international arbitration and has served as a sole arbitrator, Chair and member of three-member tribunals arbitrating a large number of disputes involving commercial and construction issues of private and governmental facilities in the energy, process, transportation, and building industries with claims ranging from US\$100,000 to US\$200 million. Has also served as both a consulting or testifying expert in numerous arbitration forums including AAA, ICC, UNCITRAL, SIAC, and LICA with disputes ranging from US\$1 million to US\$ 6 billion. Has served as Chair on large complex case. Her arbitrator/DRB membership includes:

- Member of the ICDR Panel of Arbitrators
- Member of the AAA Commercial, Construction, and Large Complex Case Panels of Arbitrators
- Member of the AAA Board of Directors
- Chair of the AAA National Construction Dispute Resolution Committee (NCDRC)
- Member of the Association for International Arbitration (AIA)

- Member of the American Society of International Law
- Member of Arbitral Women (UK)
- Member of Dispute Resolution Board Foundation (DRBF) Panel
- Member of Caltrans DRB Panel

Alternative Dispute Resolution Training Currently enrolled in Pepperdine Certificate of Dispute Resolution Program; 42-hour Mediating the Litigated Case-Straus Institute of Dispute Resolution, Pepperdine, August 2011; AAA Tribal arbitration workshop, Seattle, June 2011; ICDR Expectations in International Arbitration Part I and II, 2010; AAA How to Properly Manage a Construction Arbitration Case, 2010; AAA Making Disclosure and Preventing Disclosure Problems, 2010; AAA Pro Se: Managing Cases Involving Self-Represented Parties (ACE002), 2003, 2007; AAA Arbitrator Ethics & Disclosure (ACE003), 2006; AAA Chairing an Arbitration Panel: Managing Procedures, Process & Dynamics (ACE005), 2005; AAA Arbitration Awards: Safeguarding, Deciding & Writing Awards (ACE001), 2004; Advanced Case Management Issues, 2001.

Consulting Experience Has been an Engineer/Construction Consultant for more than 30 years and has been an arbitrator since 1986, engaged by engineers, contractors, private and public owners, government agencies, including the following government agencies: **In US:** Department of Transportation (DOT); Department of Defense (DOD); Department of State (DOS); Veteran's Administration (VA); Environmental Protection Administration (EPA); General Services Administration (GSA); USAID; U.S. Indian Tribe Councils; **Outside US:** State of Victoria (Australia); Ministry of Land Infrastructure and Transport (Japan); Hong Kong Government (China); Finnida (Finland); Her Majesty's Treasury (UK); British Vancouver Ministry of Transportation and Highways (Canada); City of Winnipeg (Canada); Singapore Mass Transit Administration (Singapore).

Has worked for engineers; contractors; multi-national companies; financial institutions or regulators to advise and consult re: energy including alternative energy (wind, solar, thermal, biomass), coal, transmission line, electric, energy plant construction (coal, IGCC, nuclear, combined-cycle, dams, hydro-electric projects) and oil & gas(refineries, pipelines, offshore platforms); process plants; transportation including: rail, tunnels, bridges, culverts, highways, airports; buildings including: military installations, convention centers, stadiums, office buildings, casinos, resorts, hotels; infrastructure including: water, waste water, tunnels; issues including: subsurface utility engineering (SUE), errors and omissions, engineering, construction failures, cumulative impact, standards of care, contract interpretation, breach of contract, power purchase agreements, government contracting, contract termination, schedule delay, acceleration, productivity, disruption, accounting and financial issues, fees, lost profits, delay damages, fraud, waste & abuse, quantum merit, consequential damages, cost of delay.

In addition, has served as member of Independent Review Panels for major infrastructure projects including \$3.5 Billion Alaska Way Viaduct/Tunnel Project in Seattle, WA; \$3.6 Billion Columbia Crossing Bridge in US between WA and OR and multibillion Detroit Deep Tunnel Combined Overflow Program.

Dr. Galloway has traveled to over 100 countries in Asia, Africa, Australia, Europe, the Middle East, North America and South America and Antarctica, including working on major energy and infrastructure projects within each of these countries. Significant work experience in Latin

America (Mexico, Venezuela, Brazil), Japan, China, Malaysia, Singapore, Australia, South Africa, Canada and the United Kingdom.

Awards

Numerous awards including: Presidential appointee to the National Science Board (2006-2012); Women eNews 21st Women for the 21st Century, 2011; Member of the National Academy of Construction; First woman President of the American Society of Civil Engineers (2004); Member of the Pan American Academy of Engineers; Engineering News Record-Top Women in Construction; Recipient of the National Professional Women in Construction Professional Leadership Award; Purdue University Distinguished Engineering Alumni Award; Society of Women Engineers Upward Mobility Award; and Mercer County Engineer of the Year Award.

Professional Licenses Project Management Professional (PMP#12), Project Management Institute (PMI); Certificate of Director Education (NACD); Professional Member of the Royal Institute of Chartered Surveyors (RICS), (Risk Management and Project Management Colleges); AACEi Certified Forensic Claims Consultant (CFCC); International Registry of Professional Engineers in the discipline of Civil Engineering, Construction Management by the United States Council for International Engineering Practice (USCIEP) #131; Registered Professional Engineer: Wisconsin (#21784), 1982; New York (#060684-1), 1983; Arizona (#16978), 1984; New Jersey (#GE29321), 1985; Wyoming (#PE-4974), 1986; Florida (#44498), 1991; Washington (#28262), 1991; Colorado (#8566), 1992; Kentucky (#17690), 1993; Pennsylvania (#PE-046146_R), 1994; Georgia (#031939), 2007; Kansas (#19495), 2007; Ohio (#72 520), 2007; New Hampshire (#12184); Province of Manitoba, Canada (#15061), 1993; Australia (#1104740), 1995; Certified Examiner, National Council of Examiners for Engineering and Surveying (NCEES) #12046

Board Memberships

For-Profit Boards

- Pegasus Global Holdings, Inc., 2000-Present
- Bergman & Associates, 2012-Present
- Unionville Vineyards (Partner), 1986-2008
- The Nielsen-Wurster Group, Inc., 1984-2008
- Nielsen-Wurster Asia-Pacific Pty. Ltd., (Australia) 2001-2008
- Unionville Aviation, 1987-2005
- Nielsen-Wurster/ESB (Electricity Supply Board of Ireland) 1986-1989

Non-Profit Boards

- ASCE Journal of Legal Affairs and Dispute Resolution Board, 2009-Present
- Life Support (Philanthropic Organization) 2010-Present
- American Arbitration Association, 2009-Present
- National Science Board, (Presidential appointment and Senate Confirmed) 2006-May, 2012; Presently consultant to NSB

- Vice Chair, 2008-2010
- Executive Committee, 2010-2011
- Chair, 60th Anniversary Committee, 2008-2010
- Sustainable Energy Task Force Committee, 2007-2009
- Audit & Oversight Committee, 2006-present
- Polar Research Committee, 2006-present
- Committee on Strategy & Budget, 2006-present
- 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, 1991-2001
- Hoover Medal Award Board, 1996-1999

Advisory Boards / Committees

- Chair, AAA National Construction Dispute Resolution Committee (member since 2005)
- Chair, Independent Expert Review Panel for Alaska Way Viaduct/Tunnel Project, 2011-Present
- Independent Review Panel for Columbia River Crossing Project, 2010-Present
- Discovery Channel, Science Channel Board of Advisors, 2009 – 2012
- Eastern Washington Governor's Business Advisory Council, 2007-Present
- New York Institute of Technology Engineering Dean's Board of Advisors-2010-Present
- Construction Industry Institute Advisory Board, 2006-2010
 - (Co-Chair-RT-260 Reimbursable Contracts)
- Construction Superconference Advisory Board, 2007-2009
- American Society of Civil Engineers Industry Leadership Council, 2008-2010
- University of Nebraska Charles W. Durham School of Architectural Engineering and Construction Academic Review Team, 2009
- Purdue University Engineering 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

Professional Associations American Association of Cost Engineers (Fellow); American Nuclear Society; American Society of Civil Engineers (Past President; Fellow; Past Board of Directors; International Activities Committee, Chair; Civil Engineering Conference for the Asia Region, Past Co-Chair); Institution of Civil Engineers (UK, Fellow); Engineers Australia (Fellow); Society of Petroleum Engineers; Japan Society of Civil Engineers; National Council of Examiners for Engineering and Surveying; National Society of Professional Engineers; Project Management Institute (College of Scheduling, Past Board Chair); Past Chair Society for Social Management Systems (Asia); Society of Women Engineers; Construction Management Association of America.

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 – 2011
- Kochi University of Technology, Doctorial Dissertation, Engineering Education Reform, 2005

Arbitration Faculty Training/Speaking Engagements

- Faculty, “Optimizing Your Client’s Construction Arbitration Hearing”, AAA Construction Conference, New York, NY, 2012
- Faculty, “Building the Construction Arbitration Process to Optimize Its Advantages”, AAA neutrals conference, Scottsdale, AZ, 2012
- Faculty, “Arbitration is Voluntary and a Creature of Contract”, and “ Party Appointed Arbitrators”, AAA /American Bar Association (ABA) Forum on the Construction Industry Winter Forum, New York, NY, 2011
- Trainer, “Construction Dispute Resolution in the US: International Techniques that Can Be Used Domestically, American Arbitration Association Webinar, presented with Albee Bates, May 10, 2010
- Panel Member, “Controlling the Discovery Monster in Arbitration”, NW Dispute Resolution Conference in Seattle, University of Washington, May 1, 2010
- Moderator, The Cultural and Legal Landscape to Consider – Regional Considerations for International Construction Projects, 8th Annual Miami International Arbitration Conference, “Resolving International Construction Disputes”, March 21 - 22, 2010
- “Hot Topics in International Construction Dispute Resolution”, American Arbitration Association Webinar, presented with John Hinchey, September 3, 2009
- Blog writer for Engineering News Record, 2005-09

- 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, International Arbitration Disputes Conference in conjunction with Peckar & Abramson; 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

Numerous other publications (more than 150) and speaking engagements, both domestically and internationally, including Asia, Europe and the Middle East; Guest Professor at Kochi University of Technology, Japan; Lecturer at Harbin University, China; Visiting Distinguished Guest, Virginia Tech, New York Institute of Technology and Purdue University; Keynote Speaker at multiple universities, corporate training seminars and various professional engineering and construction industry annual conferences.

Compensation US\$349 per Hour

Subject to normal terms and conditions (Willing to consider structures other than hourly billing). Rate covers all services provided following appointment including study time, award preparation, and travel time. Available to travel domestically and internationally.

Citizenship United States of America

Locale International