

Arlen Li, AIA

Associate Principal

Professional Status

Registered Architect: MA, LEED Accredited Professional

Education

Master of Architecture, 1983, Columbia University, New York, NY; Bachelor of Arts in Architecture, 1978, Yale University, New Haven, CT

Experience

Arlen joined Payette in 1983, became an Associate in 1989, a Senior Associate in 1992, and an Associate Principal in 2001. In over 25 years with the firm, he has focused on the planning and design of academic and corporate research and education buildings. The range of projects includes medical, engineering and science facilities for many of the leading universities and colleges in the country. Arlen was the founder of the in-house Sustainable Design group and is the firm's liaison to the US Green Building Council. He has also served as an instructor at the Boston Architectural Center and as a member of his town's Design Review Board.

Representative Projects

George Washington Medical Center, Washington, DC

- School of Public Health and Health Services – Project Manager/Planner: 161,100 GSF. *In association with Ayers Saint Gross.* New academic building to house classrooms, offices, meeting and specialty program space. Pursuing LEED Silver Certification. Estimated construction completion 2013.
- Medical Center Facilities Planning Study – Project Manager/Planner: 337,500 GSF. *In association with Ayers Saint Gross.* Site, Master Plan and Program Study for current and anticipated facilities. Pursuing LEED Silver Certification. Completed 2007.
- Ross Hall Options Study – Project Manager: Renovation options for existing Medical Center Building. Completed 2009.

Virginia Commonwealth University, Richmond, VA

- School of Engineering, East Hall – Project Architect/Project Programmer: 115,000 GSF teaching and research facility for expansion of the School of Engineering; part of a new School of Business and Engineering Building totaling 244,000 GSF. *In association with Moseley Architects.* Completed 2008.
- School of Engineering, West Hall – Project Architect/Project Programmer: 135,000 GSF-Flagship building for the School of Engineering, housing teaching and research laboratories, classrooms and offices. *Exterior design consultant Tribble Byrum Architects.* Completed 1998.

University of Rhode Island, Kingston, RI

- Center for Biotechnology and Life Sciences – Project Planner and Sustainable Design Specialist: 142,000 GSF New academic and research building situated as the first structure in the redevelopment of the North Campus District. LEED Gold Certified. Completed 2009.

Bowling Green State University, Bowling Green, OH

- Photochemical Science Research Building Feasibility and Concept Design Study – Project Manager: Includes program, site options and conceptual images for a facility to house a new university research initiative, 115,000 GSF. Study completed 2005.

Brown University, Providence, RI

- Charles Giancarlo Engineering Laboratories – Project Architect/Project Programmer: 17,727 SF. Completed 2000.

Massachusetts Institute of Technology, Cambridge, MA

- Earth and Planetary Sciences Building Study – Project Manager. Completed 2004.

Carnegie Mellon University, Pittsburgh, PA

- Electronic Materials Technology Building – Project Manager/ Project Programmer: 75,000 GSF. Completed 1997.

University of Maryland at Baltimore, Baltimore, MD

- Dental School – Project Manager/Planner of Part I and Part II Program: 300,000 GSF. Completed 1999.

Transkaryotic Therapies, Cambridge, MA

- 700 Main Street Interior Fit-out – Project Manager: 180,000 GSF. Completed 2002.
- Master Plan – Project Manager/Planner. Completed 2000.

Duke University Medical Center, Durham, NC

- Medical Sciences Research Building – Project Architect/Project Programmer: 184,000 GSF. Completed 1994.

Case Western Reserve University School of Medicine, Cleveland, OH

- Richard F. Celeste Biomedical Research Building – Project Manager/Project Designer: 279,230 GSF. Completed 1993.

Additional Clients

- Rutgers University and the University of Medicine and Dentistry (*Robert Wood Johnson Medical College*), Piscataway, NJ
- Tufts University, Boston, MA
- Albert Einstein College of Medicine of Yeshiva University, Bronx, NY
- University of Illinois at Chicago, College of Medicine, Chicago, IL
- Yale University School of Medicine, New Haven, CT
- Johns Hopkins University School of Medicine, Baltimore, MD
- Wyeth BioPharma (*formerly Genetics Institute*), Andover, MA
- Princeton University, Princeton, NJ
- Wyeth Research (*formerly Wyeth-Ayerst Laboratories/American Cyanamid/Lederle*)
- Amherst College, Amherst, MA
- Bridgewater State University, Bridgewater, MA
- University of Rhode Island, Kingston, RI
- Radford University, Radford, VA

Additional Clients continued

- Wesleyan University, Middletown, CT
- Harvard University/Allston Development Group, Allston, MA
- Yale University, New Haven, CT
- Ohio Wesleyan University, Delaware, OH
- Smith College, Northampton, MA
- University of Maryland at Baltimore County, Catonsville, MD
- University of Maryland at Baltimore, Baltimore, MD
- Biogen Idec, Cambridge, MA
- Ergo Science Corporation, Charlestown, MA
- Hoffmann-LaRoche Inc., Nutley, NJ
- Merck, Rahway, NJ

Professional Affiliations / Civic Activities

- American Institute of Architects
- Boston Society of Architects
- Education Committee Member, U.S. Green Building Council
- NIH Grant Reviewer
- Norfolk Police Station/Town Hall Steering Committee, Norfolk, MA
- Permanent Building Committee, Norfolk, MA
- Design Review Board, Norfolk, MA

Publications

- "Green Design Finally Comes to the Forefront," *Banker & Tradesman*, February 2003

Teaching and Lectures

Labs 21 Conference

- "Green Chemistry and Sustainability on a Budget: Public Institutions' Varying Shades of Green," September 2009
- "Scaling Sustainability: Comparing the Planning Processes for Two University Science Facilities," October 2007
- "Overcoming Perceived Risk: The Challenge to Designing Sustainable Laboratories," 2002

NESEA, Building Energy Conference

- Speaker and Session Chair: "Green Campus: Public and Private," March 2008
- Session Chair, "Sustainability on Campus – Moving from Policy to Reality," March 2006
- Session Chair, "Engineering Modeling to Inform Design," March 2006

Build Boston Conference

- "Go for Gold, not Green," panelist, 2002

Tradeline Conference

- "Management Tools for Decision-Making Processes," Top Managers' Roundtable, March 1995
- "Organizational Management Strategies for Project Initiation and Development," R&D Facilities, December 1994
- Speaker for Tradeline R&D Facilities Conferences, October 1994; April 1993; May, December, 1992

**JAMI L. MILANOVICH, P.E.
PRINCIPAL ASSOCIATE**

PROFILE:

Ms. Milanovich has 16 years of experience in a wide range of traffic and transportation projects including: traffic impact studies, corridor studies, parking analyses, traffic signal design, intersection improvement design, and signing and pavement marking design. She has worked for both public and private sector clients.

EXPERIENCE:

Traffic Impact Studies. Conducted numerous traffic impact studies in support of rezoning, planned unit development, special exception, and site plan approvals for large and small residential, commercial, office, retail, and institutional developments in the mid-Atlantic region. Her work includes experience in Pennsylvania, Virginia, Maryland, and Washington, D.C. Specific Washington, D.C. projects include the following:

- ◆ Transportation Impact Study for the George Washington University Campus Plan: 2005-2026
- ◆ George Washington University Mount Vernon Campus Plan Transportation Impact Study
- ◆ Transportation Impact Study for Square 54
- ◆ Transportation Impact Study for the School without Walls
- ◆ 2013 H Street Transportation Impact Study (HSC Foundation)
- ◆ Connecticut Avenue Walgreens Transportation Impact Study
- ◆ Catholic University of America South Campus Redevelopment Transportation Impact Study
- ◆ Transportation Impact Study for Arbor Place
- ◆ Traffic Impact Study for the Fort Lincoln New Town Townhomes
- ◆ Transportation Impact Study for the Village at Washington Gateway
- ◆ Transportation Impact Study for the Shops at Dakota Crossing
- ◆ City Homes at Fort Lincoln Transportation Impact Study
- ◆ Transportation Impact Study for Art Place + Shops at Fort Totten
- ◆ Rosemount Center Traffic and Parking Study
- ◆ Sidwell Friends School Transportation Study
- ◆ Traffic and Parking Study for the Broad Branch Market and Child Development Center
- ◆ Fannie Mae Headquarters Transportation Impact Study
- ◆ Friends of Saint Patrick's Transportation Impact Study
- ◆ Transportation Impact Study for Square 776
- ◆ 2201 M Street, NW Transportation Impact Study

Corridor Studies. Conducted several corridor studies, which have evaluated the effects of various geometric and traffic signal system improvements on specific corridors. She has utilized Synchro and SimTraffic software to both analyze the potential improvements and make presentations for agencies and the general public.

Traffic Signal Design. Prepared numerous traffic signal designs for new installations and modifications to existing installations, including the development of coordination timings for interconnected intersections. Her work has included preparation of signal permit drawings for state agencies and construction drawings for contractors.

Intersection Improvements. Prepared many intersection improvement plans throughout Pennsylvania, often in conjunction with traffic signal designs. Design of intersection improvements typically consists of roadway widening, drainage improvements, utility coordination, maintenance and protection of traffic considerations, and signing and pavement marking plans.

Traffic Calming Studies. Investigated traffic calming measures to reduce travel speeds and "through" traffic on residential streets. Alternatives included chicanes, chokers, diverters, speed tables, and one-way street options.

Interchange Justification Studies. Prepared Point of Access Study for the completion of the partial diamond interchange for submission to the Pennsylvania Department of Transportation and the Federal Highway Administration. Study included an origin-destination study and capacity/level of service analyses at eight intersections and an inventory of existing and approved developments within the study area. Data analyses were conducted for scenarios with and without the proposed interchange.

Origin-Destination Studies. Conducted several origin-destination studies as part of larger projects to determine travel patterns through specific areas. Methods used included license plate matching, post-card surveys, personal interviews, and car-following.

Speed Limit Studies. Conducted speed limit for two-lane, rural roadways in Pennsylvania. Methodology utilized was safe running speed method in accordance with ITE guidelines.

EDUCATION: Master of Engineering, The Pennsylvania State University, University Park, Pennsylvania, December 2000

Bachelor of Science, Civil Engineering, The Pennsylvania State University, University Park, Pennsylvania, May 1995

REGISTRATIONS: Registered Professional Engineer: Pennsylvania; Virginia; Washington, D.C.

AFFILIATIONS: Institute of Transportation Engineers

EMPLOYMENT HISTORY

2003 - Present **Wells & Associates, Inc.**
McLean, Virginia
Principal Associate

1997 - 2003 **Herbert, Rowland & Grubic, Inc.**
Harrisburg, State College, and Pittsburgh, Pennsylvania
Traffic Engineer

Ms. Milanovich was a project manager responsible for the preparation of traffic engineering studies, traffic signal design, and intersection improvement designs.

1995 - 1997 **Transportation Resource Group, Inc.**
York, Pennsylvania
Traffic Engineer-in-Training

Ms. Milanovich was responsible for data collection efforts and conducting traffic engineering studies. Her duties also including overseeing technical support staff.