

Education

BS, Civil Engineering / Technion, Israel Institute of Technology, 1968

Registration

PE in NY, FL, NJ, DE, CT, NC, SC, and MI

Professional Affiliations

- New York Association of Consulting Engineers, **President, Member Board of Directors, Treasurer/Secretary, Executive Committee**
- Chair of the **Materials Committee** for the rewriting the Building Code of the City of New York.
- Member of the **Managing Committee** for the rewriting the Building Code of the City of New York.
- New York City Building Congress, **Member Board of Directors**
- New York Concrete Industry Board, **Member Executive Committee, Member board of Directors**
- American Concrete Institute
- American Society of Civil Engineers
- National Association of Corrosion Engineers
- Steel Structures Painting Council
- Women's Builders Council, **Executive Committee**

Experience

Fruma Narov has more than 40 years of in-depth experience in the design, management and administration of engineering projects. Ms. Narov has extensive experience in a wide range of project types. Among these are the design of high-rise structural building frames and long-span structures; the reconstruction of bridges; and the reconstruction of highways and streets. She has provided design services, as well as structural and construction inspection services, for transit facilities, maintenance structures, parking facilities, and commercial, residential and institutional buildings.

Ms. Narov is a recognized expert in concrete technology, including cast-in-place, precast, and prestressed concrete. She is also experienced in the use of materials such as structural steel and rehabilitation and reconstruction materials.

Ms. Narov is additionally a well-published author and teacher. She has published many papers on the design, analysis and detailing of structural systems and is the recipient of

numerous awards. As an associate professor of engineering at Pratt Institute, Ms. Narov taught courses on engineering theory and practice. She has also lectured for the CRSI on various topics in the design and construction of reinforced concrete structures.

A listing of Ms. Narov's awards and publications is attached.

AWARDS AND HONORS

New York Association of Consulting Engineers Award for Engineering Excellence

Platinum Award – The Structural Health Monitoring of Paerdegat Basin Bridge (2008)

Honorable Mention, Special Projects for Reconstruction of Routes 6 & 17, Harriman, NY (1996)

Third Prize, Consulting Engineering Services/Construction Management Services, Construction Management of the Sheepshead Bay Fishing Piers, Brooklyn, NY (1995)

Third Prize, Multidiscipline/Complete Building Systems, the Kravis Center for the Performing Arts Parking Garage, West Palm Beach, Fl. (1995)

Third Prize, Transportation Studies, Frawley Circle – The Duke Ellington Monument, New York, NY (1994)

The Concrete Industry Board, Inc.

Annual Award for the New Federal Courthouse in Brooklyn (2005)

Award of Merit, for Queenswood Apartments, Queens, NY (1990)

Special Recognition Award, for the World Bank “J” Building in Washington, DC (1988)

Award of Merit, for the New Detention Facility in Lower Manhattan, NY (1988)

Special Recognition Award, for Multi-Purpose Sports Complex at the United States Military Academy, West Point, NY (1986)

Award of Merit, for the Westin Hotel, Copley Place, Boston, MA (1983)

Precast/Prestressed Concrete Institute Awards

PCI Award, for the World Bank, Washington, DC (1988)

PCI Award, for the Westin Hotel, Copley Place, Boston, MA (1984)

American Concrete Institute Awards

Grand Award Winner, New England Chapter, for the Westin Hotel at Copley Place, Boston, MA (1984)

PUBLICATIONS

Structural Health monitoring of Bridges presented at the ASCE Seminar, March 25th 2008, New York NY.

Case Study: Forming Systems on the Westin Hotel at Boston's Copley Place, presented at the CRSI Seminar, October 22, 1986, Philadelphia, PA

Design and Construction of the Indoor Athletic Facilities at the USMA, West Point, NY, presented at ASCE Structural Engineering Congress, Chicago, Illinois, September 1985

Forming Systems on the Westin Hotel at Copley Place, presented in CRSI seminars: New York, November 1985; Baltimore, Fall 1984

Joints in Concrete Structures, presented at BSCE/ASCE Structural Group Lecture Series at MIT, October 1983

Three Dimensional Equivalent Frame Analysis of Shear Walls, presented at the ASCE Building Congress, June 1983; published in Concrete International, October 1983

A representative sampling of Ms. Narov's relevant project experience follows.
