

Carl M. Berkowitz, Ph.D., PE, AICP

QUALIFICATIONS

- **Transportation Engineering Expert** Serve as a litigation consultant and frequently provide advice at the initial stages of a legal matter for impartial input that can make the crucial difference between success and failure. Ability to explain complex issues in layman terms, suggest strategies, investigate, and uncover facts. Typical assignments include: depositions and courtroom testimony; accident and safety analysis; evaluation and study report; interpret industry and government rules, regulations, guidelines, controls, training, policies, procedures and standards; pedestrian/passenger injuries and fatalities (subway, commuter rail, AMTRAK, light rail, transit bus, commuter bus, intercity bus, ferry, cruise ship, bicycle, motorcycle, commercial vehicle, roadway and intermodal terminal); school bus and student safety (bus stop, walking and occupant), vehicle speed, time and braking distance; railroad-grade crossings (vehicle and pedestrian); slips, trips, missteps and falls (vehicle, walking area, pathway, escalator, elevator, ramp, stairway and height); passenger terminal, station and platform safety, human factors in pedestrian and vehicle interaction (perception-response and fatigue); vehicle operator human errors and mishaps; environmental issues; lighting; geometric design (highways and streets); information technology, signage and communication systems; work zone and workplace safety; traffic regulations and controls (intersection, signage, roadway markings, traffic signals and access management)
- **Consulting** Established a reputation as a leading expert and educator in transportation and logistics planning, design, engineering, construction, maintenance, operations, and management. Background encompasses urban and regional transportation, intermodal transportation, passenger and freight terminal facilities, traffic impact, trip generation, trip distribution, parking, bus and rail transit, highways, air transportation, economics, performance standards, modeling and simulation, transportation algorithms and network analysis, hazardous materials, traffic and environmental safety, health and safety, commuter rail, human factors, construction technology, infrastructure maintenance and rehabilitation, international transportation management, facility and supply chain management, goods movement, marine transportation, port development and operations, airport development and operations. Conducted corridor analyses, transportation feasibility studies, and environmental impact assessments. Planned and managed capital construction projects. Established new transportation technologies and systems.
- **Recent Assignments** Platform to railcar gap accidents; pedestrians on railroad right-of-way; passenger falling from platform onto active track; passenger struck by train while standing on platform; pedestrian struck by train while standing on or near railroad track; youngsters walking on railroad track; pedestrian and train collision; vehicle and train (light rail, commuter rail and motor vehicle) collision; pedestrian and vehicle collision, railroad grade-crossing safety and sight distance; vehicle operator and sight distance; railroad right-of-way fence collapse; metal plate in curb cut; train and light rail jerk while in station and in motion; failure to follow job rules and regulations; premature railcar door closing/opening; terminal and station crowd management; information technology and communication systems; operation of terminals, stations, parking and intermodal facilities; human factors and errors in operating vehicles (train, light rail, commercial vehicle, bus, school bus, cog train); highway intersection and crosswalk safety; bicycle master planning and safe operations; work zone and work place safety (pedestrians, workers, vehicles, OSHA, FELA and Jones Act); safe bus stops, shelter locations and design; accommodations for the elderly and disabled; vehicle securement systems for the disabled, school bus passenger safety and security, school bus stop location, safety, routing, roles and responsibilities.
- **General Management** Managed, organized, bureaus, divisions, units, project teams and task forces, as well as a private practice with full profit and loss responsibility. Developed short- and long-range strategic and business plans. Formulated policies, procedures, systems, and controls. Reviewed and streamlined operations to improve overall productivity and efficiency. Directed up to 800 managerial,

professional, and technical and support personnel. Recruited, hired, and trained all levels of staff and consultants. Forecasted and developed operating and capital budgets. Organized and monitored special events and other projects. Cultivated and maintained an excellent rapport with clients and associates.

- **Communications and Public Affairs** Planned and conducted major presentations, proposals, speeches, and lectures to small and large audiences consisting of members from government, academia, business, and the public. Chaired numerous task forces, committees, executive meetings, and public hearings. Represented top government officials, acted as media spokesperson, conducting numerous interviews on live national television and radio, as well as with print journalists. Oversaw media relations including the review of press releases and other information dissemination. Wrote and edited numerous reports, studies and columns for major publications, journals, newspapers, and scholarly periodicals. Interfaced with federal, state, and local legislators, agencies, and commissions.
- **Consulting and Business Development** Customized programs and strategies to suit the objectives and requirements of diverse clients, including corporations, governments, and academic institutions both in the US and abroad. Advisor on privatization, asset management, resource utilization and the free market economy. Effective and competent expert witness who can deal with technical complexities in the courtroom. Identified new business opportunities, joint ventures, through extensive market research, comprehensive interviews with clients, analysis, and forecasting. Negotiated numerous contracts and agreements. Established and maintained contacts with high-level officials and executives both in the private and public sectors on a global scale. Traveled extensively acquiring an understanding of customs, cultural nuances, business, and academic practices (Europe, Former Soviet Union, Middle East, Central America, Caribbean, and Far East).

SELECTED ACCOMPLISHMENTS

- Designed and implemented innovative management information system and formal analyses techniques, establishing standards of performance.
- Contributed to a significant improvement in the management of private transportation operations, by developing an organization structure complete with goals, objectives, and position descriptions.
- Pioneered research programs in transportation planning, engineering, and management.
- Established an international network of educators to promote work/study exchanges with the United States to enhance and promote understanding and good will among nations.
- Garnered recognition and numerous honors, awards, nominations, and appointments for outstanding contributions to the private industry, public sector, and academic world.
- Established education and training programs with Eastern Europe, China, Central Asia, and Russia.
- Establishing programs for minority students in science, mathematics, and technology.
- Founder of nationally and internationally recognized pre-college programs in math and science.
- Directed a \$100 million capital improvement program designed to improve overall efficiency while reducing operating and maintenance costs.
- Founder and first President, International Marine Transit Association and Metropolitan Association of Urban Designers and Environmental Planners, forum for interdisciplinary technology exchange.

PROFESSIONAL EXPERIENCE

- **Carl Berkowitz, Ph.D., PE**, July 2015 - Present
- **Berkowitz Transportation Group**, Transportation Consultants, 1988 – July 2015
- **New York City Department of Transportation**, New York, NY, 1970 - 1988
 - Chief of Transit Planning/Administrative Engineer, 1984 - 1988
 - Bureau of Ferries and Aviation**
 - Administrative Engineer, 1982 - 1984
 - Assistant Commissioner/Executive Director, 1976 - 1982

Central Staff

Director of Planning and Research, 1970 - 1976

- **New York State Office of Planning Coordination**, New York, NY, 1967 - 1970
Associate Transportation Planner
- **New York State Department of Transportation**, New York, NY, 1963 - 1967
Transportation Planning Engineer
- **New York City Transit Authority**, New York, NY, 1962 – 1963 Academic Years
Junior Engineer, Construction Division (Summer and Spring Semester Internships)
- **New York City Department of Health**, Environmental Division, New York, NY, 1961
Engineering Technician (Summer Internship)
- **Essential Demolition Company**, Brooklyn, NY, 1958 – 1960
Field Supervisor (Summer Internship)

ACADEMIC ASSIGNMENTS

- **Florida Atlantic University**, Boca Raton, FL, 2005 – 2006
Distinguished Professor and Director, Center for Intermodal Transportation Safety and Security, 2005 - 2006
Deputy Executive Director, University Consortium for Intermodal Transportation Safety and Security, 2005 - 2006
- **Dowling College**, Oakdale, NY, 1994 – 2005
Professor of Aviation and Transportation, School of Aviation and Transportation, 1994 - 2005
Department Coordinator, 1994 – 2002
Academic Chair, School of Aviation and Transportation, September 2001
Executive Director, Intermodal Transportation Research Institute, 1996 - 2000
Interim Dean, School of Aviation and Transportation, July - August 1996
- **United States Merchant Marine Academy**, Kings Point, NY, 2001 – 2002
Lecturer in Transportation Management, Global Maritime, and Transportation School
- **City University of New York**, New York, NY, 1972 - 1994
Senior Research Fellow, School of Education, The City College, 1993 - 1994
Research Associate, The Bronx Community College and The City College, 1991 - 1994
Visiting Professor, School of Education, The City College, 1990 - 1991
Visiting Professor, Schools of Engineering and Education, The City College, 1989 - 1990
Senior Research Fellow, Institute for Transportation Systems, The City College, 1988 - 1989
Adjunct Professor of Transportation Engineering, The City College, 1988 - 1989
Adjunct Professor of Transportation Management, NYC Technical College, 1986 - 1989
Adjunct Assistant Professor of Management, College of Staten Island, 1979 - 1980
Adjunct Assistant Professor of Transportation, City College, 1972 - 1973
- **New York Institute of Technology**, New York, NY, 1976 - 1978
Adjunct Professor of Management
- **St. John's University**, Staten Island, NY, 1973 - 1976
Assistant Professor of Transportation

EDUCATION

- **Polytechnic Institute of New York** (NYU-Tandon), New York, NY
Ph.D. in Transportation Planning and Engineering
(Minors: Management and Operation Research), 1985
M.S.T.P. in Transportation Planning, 1971
- **City College, Bernard Baruch School of Business**, New York, NY
MBA in Industrial Management for Engineers, 1967

- **City College, School of Engineering**, New York, NY
BCE in Civil Engineering, 1963

PROFESSIONAL AFFILIATIONS

- Professional Engineer: New York, New Jersey
- American Association of Railroad Superintendents, Member
- American Institute of Certified Planners, Charter Member
- American Physical Society (Includes Institute of Physics), Member
- American Planning Association, Member
- American Public Transportation Association, Member Technical Committees (Rail Safety and Security, Rail Safety, Bus Safety and Security Affairs)
- American Railway Engineering and Maintenance of Way Association, Member Technical Committees 11 and 12
- American Society for Engineering Education, Past Member
- American Society for Transportation and Logistics/Merged with APICS, Academic Member
- American Society of Biomechanics, Member
- American Society of Civil Engineers, Fellow and Member Transportation, Education and Security Committees
- American Society of Mechanical Engineering, Member Bioengineering and Applied Mechanics Divisions
- American Society of Safety Professionals, Member Transportation and Health Care Practice Specialty
- American Traffic Safety Service Association, Member
- Association for Supply Chain Management, Academic Member
- Association of Pedestrian and Bicycle Professionals, Member
- ASTM, International, Member Technical Committee F13 and Task Group D11.20.01 (Recycled Rubber)
- Biomedical Engineering Society, Member
- Charter Institute of Logistics and Transport (Great Britain), Charter Member
- Council of Logistics Management, Past Member
- Forensic Expert Witness Association, Member
- Hong Kong Society for Transportation Studies, Past Member
- Human Factors and Ergonomics Society, Surface Transportation, Health Care Technical Group, and Forensic Technical Group, Member
- Intelligent Transportation Society of New York State, Past Member
- Intermodal Council, American Trucking Association, Past Member
- International Association of Public Transport (UITP), Member, Research in Mobility Committee
- International Society of Biomechanics, Member
- Institute of Electrical and Electronics Engineers and the Vehicle Technology Society, Member, Communication Based Train Control Interoperability Study Group
- Institute of Transportation Engineers, Member
- Intermodal Association of North America, Past Member
- Intermodal Freight Technology Working Group (FHWA), Past Member
- International Marine Transit Association/Interferry, Founder and Honorary Director
- National Association of Railroad Safety Consultants and Investigators, Member
- National Floor Safety Institute, Member
- National Fire Protection Association, Member
- National Waste and Recycling Association, Academic Member
- Rehabilitation Engineering and Assistive Technology Society of North America, Member
- Rubber Pavement Association, Past Member

- Society of Automotive and Aerospace Engineers, Past Member
- The Air Brake Association, Member
- Transportation Research Board, University Representative, (Dowling and Florida Atlantic)
- Transportation Research Forum, Past Member
- Warehouse Education Research Council, Past Member
- Women in Transportation Seminar, Past Member

UNIVERSITY/EDUCATIONAL SERVICE

Florida Atlantic University

- Member of the University Safety and Security Committee
- Developed study proposal of man-made and natural disasters
- Developed congestion reduction strategy for Dubai International Transportation Competition
- Developed proposal for an Honors High School
- Developed proposal for a Waterborne Transportation Institute at the University
- Developed proposal for a Rail Transportation Institute at the University
- Assisted in developing proposal for an Institute for Safety and Security
- Co-Principal Investigator, Center for Coastline Security
- Assisted in developing proposal for the Navy Sea-Basing program

Dowling College

- Helped established off-site MBA in intermodal transportation management with the Long Island Railroad, 2001-2003
- Assisted marketing and recruiting campaign for MBA in transportation management, 2001
- Proposed logistics and supply chain management software and simulation laboratory, 2001
- Worked with Dowling Institute to develop joint program in conjunction with MBA in intermodal transportation management with the US Merchant Marine Academy and the World Trade Institute of Pace University, 2001
- Developed distance learning components in intermodal transportation management, USDOT grant, 2001-2002
- Dowling College Representative to LI Import Export Association, Women in International Trade, LIA Transportation Committee, 2000-2001
- Director, MBA Program in intermodal transportation management, 2000 – present
- Advisor to student transportation clubs, 1998 - present
- Member, Curriculum Committee, 2001 – present
- Member, Enrollment Committee for Aviation and Transportation, 1999
- LaSalle Planning Committee and Subcommittees, 1998
- Member Honors College Committee, 1998 - 2001
- Alternate Representative to University Transportation Research Center, Region II, 1998-2000
- Jointly developed proposal and curriculum for a BS in Logistics Management, 1998-1999
- Member, Academic Standards Committee, 1997 - 2001
- Member, Academic Research Committee, 1997 - 2001
- Advisor to Students in Free Enterprise (SIFE) program, 1997 - 1998
- Appointed to Garrett A. Morgan Roundtable by US Secretary of Transportation, 1997 – present
- Helped to develop AASHTO/TRAC program in New York State, 1996 - 1997
- Established first non-engineering school student chapter, Institute of Transportation Engineers, 1996 - 1998
- Established \$12,000 Endowment Fund for the Institute for Transportation Engineers, 1996
- Member, MS in Transportation Science Development Committee, 1996 - present

- Helped to reorganize and expand internship program for transportation majors, 1996 - present
- Coordinator, Long Island Association Vision 20/20 Project, 1996 - 2000
- Member, Presidents Recruitment Committee, School of Aviation and Transportation, 1996 - 1997
- Member of the President's Annual Tribute Dinner for New York City High School Students, 1995 - 1998
- Establishing an American Planning Association student chapter, 1996 - 1998
- Developed proposal and curriculum for MBA in Intermodal Transportation Management, 1995 - 2000
- Member, Theme Committee: "Community of Learning," 1995 - 1996
- Initiated outreach with Guia Multimodal, 1995 - 1996
- Faculty Advisor, International Students, and the International Club, 1995
- Developed scholarship opportunities for transportation and logistics majors, 1995 – present
- Working with Career Services to develop an extensive local, national, and international network of internships, co-ops, and job placements, 1995 – present
- Working with Enrollment Services to provide outreach in recruiting new students, 1995 – 2001
- Counsel students on career opportunities in transportation, 1994 - present
- Assisted in the establishment Student Chapter of Women in Transportation Seminar, 1995 - 1997
- Established student chapter, Intelligent Transportation Society of America, and Faculty Advisor, 1994 - 1998
- Helped to establish a transportation consortium for USDOT, Region II with Cooper Union, Columbia University, Webb Institute, Syracuse University, Niagara University, Monmouth University and Farleigh Dickinson University, 1994
- Member Distance Learning Task Force, 1994
- Developed Pre-College and Russia Summer Institutes, 1994
- Developed special recruitment and high school articulation programs with AFROTC, NYC Board of Education, Long Island high schools and CUNY Community Colleges, 1994
- Coordinated Dowling College's Russian Initiative with St. Petersburg, Samara and Moscow aviation universities, 1994
- Active in student recruiting for the transportation programs, 1994 - 2001
- Session Chair, Intermodal Conferences, February, and May 1994
- Grant Writer, Faculty Exchanges, University Partnerships, Young Scholars, ARPA, Minority Student Science and Math Programs and Transportation Planning and Research, 1994 - 1995
- Coordinated the "First Little League Exchange Program with Russia and the US," 1994
- Advisor, Kazakhstan graduate student exchange program, 1994
- Director, SMARTT program proposal, 1994

The City University of New York

- Curriculum Program Development, The Bronx Community College, 1992 - 1993
- Advisory Board, Transportation Program, New York City Technical College, 1986 - 1991
- Curriculum Development Committee, Transportation Program, The Bronx Community College, 1991
- Member, Advisory Board, Frederick Douglas School for Technology of Harlem, 1989 - 1990
- Grants Committee, Salvadori Educational Center on the Built Environment, 1990 - 1991
- Program Development Advisor, The Global Education Telecommunications Network, 1990
- Corridor Project Advisor, School District Five, 1990 - 1991
- Developed programs to encourage high school students to pursue Westinghouse Talent Search Research Projects as a first step to careers in science, mathematics, and technology, 1990 - 1994
- Director, Math/Science Residential Institute, New York City Board of Education and The City College of New York, 1989 - 1994

- Manhattan High School Division, Program to Recruit Minority Middle School Students into the Specialized High Schools, 1989 - 1990
- Program Advisor, Institute for Transportation Systems, 1985 – 1989

Stuyvesant High School

- Director, Stuyvesant Institute, Stony Brook University, 1989
- Founder, Director, International Education Center, Sponsors Programs in Asia, and Russia, 1988 - 1994
- Founder, International Summer Institute and Young Astronauts Program, 1987 - 1994
- Chairman, Stuyvesant H.S. Foundation, Fund-Raising Organization, New York City, 1986 - 1996
- Director, Southampton Science and Mathematics Institute for Gifted and Talented Students, 1985 - 1989
- Founder, Chair, Stuyvesant H.S. Institute, Programs for Gifted and Talented and Westinghouse Talent Search (Intel), 1983 – 1998

New York Institute of Technology

- Developed Program for National Transportation Institute at Nova University, 1981
- Special Advisor, Vice President, Industry and Intergovernmental Affairs, New York Center, 1979 – 1989

St. John's University

- Designed MBA Program in Transportation Management, College of Business Administration, 1975
- Developed Curriculum for Notre Dame College, Transportation Management Program, 1973

Other

- International Institute for Safety and Security, Dubai, Acting Dean, 2006 - Present
- Guest Lecturer, US Merchant Marine Academy, Kings Point, GMAT Program, 2001
- Advisor, National Institute for World Trade, Education and Training Programs, 1992 - 1994
- Advisor, SUNY Maritime Transportation Program, 1993
- Curriculum Program Development, Touro College, 1992 - 1993
- Developed Program for an International Transportation Research Center at Adelphi University, 1990

INTERNATIONAL ASSIGNMENTS

- Consultant and Project Manager, Qatar Bicycle Master Plan, 2007 - 2008
- Consultant, Qatar Transportation Master Plan, 2007 – 2008
- Dubai Congestion Management International Competition (with PTV), Third Place, 2007.
- Assisted the NAFTA Intermodal Transportation Institute on cross border transportation issues, 1997 - 2001
- Developed university articulation programs in Hong Kong, Sao Paulo, Taiwan, and Germany, 1996 - 1998
- Developed, US/Russia initiatives in educational exchanges, teacher training, research, and student exchange programs, 1994 - 1997
- Co-director, Privatization of Food Distribution Industries in Russia, The St. Petersburg Model 1995 - 1998
- Advisor, Moscow Business University, International University of Moscow, Baltic Academy of St. Petersburg, Moscow Academy of Medicine and Moscow State Pedagogical University, 1991 - 1994
- Marine Transit Research Center, sharing Russian/American waterborne transportation technology, 1994 - 1997

- Co-director, AITIC, Structure for Improving International Business Between Central Asia and the US, 1992
- Co-director, BIZNET and TECHNET, Systems for Training and Promoting Free Enterprise in the Former Soviet Union, 1992 - 1993
- Establishing UN club system in New York secondary schools, 1993 - 1995
- Aqua Line, Marine Transit System for Washington, DC using international hovercraft technology, 1990
- Retraining Russian immigrants as science and math secondary school teachers, 1990 - 1994
- Advisor, Rusautoservice, Ministry of Transportation, Sovinterautoservice, Russia, 1993 - 1994
- Chairperson, Management and Police Science Training, Russia, 1993
- Co-Chairperson, International Trade Mission, St. Petersburg, and Moscow, 1993
- Academic and Internship Advisor, Moscow Business University, 1991 - 1994
- Academy for Management Education and Training in Eastern Europe, 1992
- Program Director, Teaching for Peace, Russia, and Eastern Europe, 1992
- Advisor, Immigrant Nurse and Filipino Nursing Association, 1990 - 1994
- Developed, International Cultural Center, Moscow, Training Teachers in English as a Second Language, 1990
- Advisor, Academy for Agricultural Management in St. Petersburg with SUNY, 1990
- Coordinator, Weizmann Institute Perach Program with The City College of New York, 1990 - 1992
- Advisor, The Bronx Community College in Moscow, and St. Petersburg, 1990 - 1993
- Coordinator, International Transportation Management and Logistics Institute in St. Petersburg with the International Enterprise Center, Russian transportation agencies and institutes, 1990 - 1993
- Advisor, Amtorg Consulting Group, Amtorg Travel Service, 1989 - 1993
- Department of Rapid Transit, Taipei, Training and Education Program with World Trade Institute, 1989 - 1990
- Advisor, International Association of Business Collaboration with Foreign Countries in the field of education, science, culture, and social development, 1989 -1991
- Advisor, Business Development and Education, Union of Leaseholders and Entrepreneurs of the Commonwealth of Independent States. (Private Enterprise Association), 1989 - 1991
- Association of Exporters of the Former Soviet Union, advising on joint development projects, 1989 - 1992
- Advisor, Ministry of Education of the Russian Republic, teacher training and business training, 1989 - 1991
- American Representative, International Enterprise Center of St. Petersburg, 1989 - 1993
- Advisor, developing educational programs in business and management, Russian-American Educational Programs, Joint Venture with the Ministry of Education of the Russian Republic, 1989 -1993
- Organized US -Soviet Trade Groups, promoting doing business with the Russian Republic, 1989 - 1993
- Chairperson, student exchange program with the St. Petersburg Board of Education, 1990 - 1991
- Advisor, Touro-Moscow School of Business, teacher recruitment and curriculum development, 1989 - 1990
- Developed and managed educator and student exchange programs with Xiamen University, Qufu University and Shanghai University in China, 1983 - 1992.
- Developed and implemented summer camp in China with Interlocken, 1981 - 1983
- Developed and Implemented International Programs for American Universities in the PRC, 1980 - 1989
- Advisor, program development, China International Meeting Services, 1980 -1984
- People's Republic of China, Business Development Projects for Shipbuilding, Transportation, Aviation, communications, and Education Ministries, 1979 -1982
- Co-Chairperson, First US-China Naval Architecture and Marine Engineering Delegation, PRC, 1979

- Chairperson, First Engineering, Management and Technology Delegation, PRC, 1978
- Board, Conference Service Bureau, international business development programs and publishing, Hong Kong, Peoples Republic of China, Europe, and U.S., 1977 - 1983
- Chairperson and President, Metropolitan Association of Urban Designers and Environmental Planners, international exchange programs, Russia, China, Eastern Europe, Middle East, Japan, Hong Kong, Europe, Africa, Central America, Caribbean, and South America, 1968 – 1984

CURRICULUM DEVELOPMENT

- Contributed to the development of new curriculum and the improvement of existing curriculum: BS Transportation Planning and Management, BS International Business and Transportation
- Developed BS Logistics Management, MBA Intermodal Transportation Management
- Developing MS Transportation Science, Certificate Programs in Logistics, Simulation, Planning, Safety, Human Factors, Environment, Technology and Intermodal, Joint BS degree programs in transportation and engineering, BS/MBA, and MS/MBA

ADDITIONAL TEACHING EXPERIENCE

- Guest Lecturer: Moscow Business University, International Business University of Moscow, Baltic Academy, Long Island University, University of California, Polytechnic Institute of New York, New York University, New School, Shanghai Science and Technology Institute, China Ministry of Communications and Shipbuilding, China Societies of Naval Architecture and Highway Engineering, 1973 - 1993
- Head Instructor, New York State Department of Transportation, In-Service Technical Training, 1965 – 1967

CONTINUING EDUCATION

- New York State Department of Transportation, in-service training: planning, design, safety, property management, coastal engineering, construction management, fiscal planning, legal affairs, information systems, materials testing, soils engineering, traffic engineering and critical path methods
- Operations research, system science, computer simulation, traffic demand management, traffic calming, continuous flow intersection, airport planning and management, traditional neighborhood development, maintenance management, waterborne transportation, urban development, public transportation, urban goods movement, global supply chain management, customer service, property management, grantsmanship, waterfront development, infrastructure management, logistics management, warehousing, marine engineering, performance evaluation, management-by objective, urban design, bicycle/pedestrian planning-design-implementation budgeting management and analysis, microcomputers, citizen participation, environmental sciences, UNIX, infrastructure rehabilitation, contracts, conference management, environmental impact statement, land use planning, Kepner-Tragoe program and transportation facility planning-design-implementation management

PROFESSIONAL ACTIVITIES

- American Society of Civil Engineers: Past Chair, Waterborne Transportation Committee and Urban Seminar Committee; Past Member, Urban Transportation Division, Intermodal Transportation and Hazardous Materials Committees; member Education and Security Committees.
- American Railway Engineering and Maintenance of Way, Member Committee 11 – Commuter and Intercity and Committee 12 – Rail Transit.
- ASTM, International, Voting Member, Committee F13 - Pedestrian/Walkway Safety.
- American Public Transit Association, appointed to the Rail Gap Working Group

- Metropolitan Section, American Society of Civil Engineers: Past Chairman, Program Committee, Urban Transportation Group; Co-founder, Urban Planning Group
- National Academy of Science, Transportation Research Board: University Representative; Past Member, Education and Training Committee; Member and Past Chair, Waterborne Task Force; Past Chair, Waterborne Passenger Transportation Committee; Co-founder, Urban Goods Movement and Bicycle Transportation Committees; Past Member, Inland Waterway Committee, Past Member Ferry Transportation Committee
- International Marine Transit Association (Interferry): Founder, Past President and Director; Past Chair Publicity Committee; and Elected Honorary Director
- Professional Engineering Society: Past Director, New York Chapter; Past Chair, Program Committee
- Metropolitan Association of Urban Designers and Environmental Planners (MAUDEP): Founder, Past President, Past Chair, and Past Director
- Institute for Transportation Engineers: Past Chair, Goods Movement Committee; Executive Board Member, Goods Movement and Expert Witness Council (Past Vice Chair for Technology), Past Executive Board Member Educators Council, and Annual Meeting Technical Program Committee and Council Policy Group
- Intermodal Association of North America, Member Public Relations Committee, Past Chair Education Subcommittee, Ex-officio member of the Education Committee
- International Intermodal Expo, Dowling College Representative
- Fritz Institute of Global Logistics, Past Member, Academic Advisor Board
- Women in Transportation Seminar, Past Member, and co-student chapter advisor
- Intelligent Transportation Society of America, Past Member of Intermodal Committee, Education Subcommittee, Educational Conference Task Force, Student Chapter's Task Force, Past Chair Special Committee and Student Chapter Advisor
- Intelligent Transportation Society of New York State, Past Member of the Board of Directors, Past Chair Education and Training Committee and Past Member Student Outreach Committee
- Fritz Institute for Global Logistics, Academic Advisory Board Member
- National Council for Excellence in Education: Past Vice President
- Institute for Advanced Education: Past Advisory Board Member
- International Pedestrian Federation, Member
- Moscow Business University, Past Member, Advisory Board
- National Institute for World Trade, Past Vice President
- US-NIS Chamber of Commerce and Industry, Founder and Past Secretary
- Council of Logistics Management, Past Member NYC Roundtable, Education Committee, Past Member Norman Thomas High School Logistics Program Committee and Dowling Representative Connecticut Roundtable
- Friends of the Staten Island Ferry, Past Director
- Stuyvesant Institute, Executive Director (Retired)
- Stuyvesant Center for International Education, Chairperson (Retired)
- International Education Center, Chairperson (Retired)
- American Planning Association, Charter Member
- American Institute of Certified Planners, Charter Member
- Listings: Who's Who in the World, East, Government, Finance and Industry, Environment, American Jewry, Men of Achievement, Dictionary of International Biography; American Men and Women in Science; Environmental Protection Directory; World Environmental Directory; Personalities of America; Directory of Distinguished Americans; International Who's Who of Intellectuals

APPOINTMENTS AND NOMINATIONS

- Surface Transportation Security Advisory Committee, Established by Congress as part of the TSA Modernization Act, of 2018, Voting Member, 2022 - Present
- Suffolk County Planning Commission, Commissioner, 2002 – 2004
- Transportation Research Board, University Representative, 1995 - 2005
- National Academy of Science, National Committee on Tunneling Technology, Standing Subcommittee No. 3, 1974 - 1975
- Engineering Foundation, Conference on Urban Goods Movement, Steering Committee, 1973 - 1975
- Advisor, World Bicycle Week, United Nations, 1975
- Israel Advisory Committee, International Conference, Pedestrian/Bicycle Transportation, December 1976
- Staten Island Borough President's Transportation Committee, Staten Island, 1975
- Advisory Board, Richmond Memorial Hospital, 1983-1985
- Distinguished Professor for 1996, International Intermodal Exposition, Atlanta, GA, 1996

INDEPENDENT RESEARCH

- ADA and Safe Walking
- Airport Pedestrian Safety
- Best Practices in Transportation Safety
- Bicycle Master Planning
- Bus and Railcar Stairways
- Bus and Train Perception-Reaction Time
- Bus Occupant Safety
- Bus Stop and Shelter Design
- Congestion Management and Mitigation
- Congestion/Incident Management
- Conspicuity, Visualization and Perception-Reaction Time
- Design of Stairs, Ramps and Pathways
- Design of the Railcar Floor Plate for
- Elevator and Escalator Safety
- Emergency Stopping - Sudden, Unexpected and Violent Stopping of Transit Vehicles
- Emergency Train Braking
- Event Data Recorder
- Federal Employers Liability Act (FELA)
- General Aviation and Human Factor Issues
- Geometric Design of Roadways
- High-Speed Marine Transport
- Highway Intersection Safety
- Human Factors and Human Errors in Transportation
- Impact of Major Developments
- Information Technology
- Innovative Transportation Financing
- Intelligent Transportation Systems and Parking

- Intelligent/Continuous Flow Intersections
- Intermodal Transportation
- Intermodal Transportation and Air Cargo
- Operator Perception/Reaction Time
- Passenger Terminal and Station Safety Audit
- Passenger Transportation Safety
- Pedestrian Safety (Slip/Trip/Misstep/Fall)
- Pedestrian Safety in a Terminal Environment
- Pedestrian Vehicle Collisions
- Planning and Designing Parking Facilities
- Rail and Bus Transit Jerk Rate
- Rail Corridor Analysis
- Rail Platform Crowding
- Rail Transit Platform Gaps
- Rail Transit Platform Safety
- Rail Transit Station Operations and Safety
- Railcar Door Operations and Human Error
- Railroad Grade-Crossing Safety
- Railroad Right-of-Way Trespassing
- Safe Operation of Public Transportation
- Safe Pedestrian Crossings
- Saw Tooth Bus Stop Design
- School Bus Safety
- School Bus Stop Safety
- Student Safety Door to Door
- Sudden, Violent and Unexpected Changes in Acceleration or Deceleration
- Train to Platform Horizontal/Vertical Gap
- Training Transportation Employees
- Transit Bus Stop Safety
- Transit Terminal Planning, Design, Operation and Safety
- Transportation/Traffic Impact Guidelines
- Transporting of Garbage by Rail
- Walking on Icy and Wet Surfaces
- Work Zone Safety and Traffic Control Planning
- Workplace Safety (OSHA, Jones Act, FELA)

RESEARCH DIRECTED, NEW YORK CITY DOT

Urban Truck Project, Auto Free Zone, Transportation Facilitation Centers, Designing for People, Freight Consolidation, Waterborne Transportation, Cargo Security, Pedestrian Malls, Marine Structures, Sub-Regional Planning, Managerial Training, Behavioral Modeling, Cycloidal Propulsion, Marine Borer, Ferry Docking Facilities, Ferry Rider-ship Survey, Functional Design of Ferry Systems, Behavioral Characteristics of Ferry Riders, Future Requirements of Staten Island Ferry Fleet, Vehicle Passenger Control Systems, Structural Analysis, Subway Access, Mini-Ferries, Behavioral Modeling/Ferry User Characteristics, Ferry Cost Analysis, Transit Access, Fast Ferries, Ferry Vehicle Users and Marketing Transportation

RESEARCH AND DEVELOPMENT GRANTS, NYC DOT

Better Integration of Transportation Modes, \$500,000

Staten Island Ferry Terminal, \$150,000

Manhattan Garment Center Goods Movement, \$250,000
South Richmond Transportation Program, \$80,000
High-Speed Waterborne Transportation, \$955,000
Structural Rehabilitation of Ferry Terminals, \$15,000,000
Bicentennial Transportation Program, \$50,000
New York City Bicycle System Study, \$50,000
Marketing Waterborne Transportation, \$50,000
Ferry Maintenance Facility, \$5,000,000

New Ferries, \$30,000,000
Ferry Access Systems, \$4,500,000
Inter-Modal Coordination, \$200,000
Mini-Ferries, \$1,500,000
Information Systems, \$100,000
Private Bus Study, \$300,000
Bus Terminal Studies, \$100,000
North Shore Transit Study, \$75,000

UNIVERSITY RESEARCH AND GRANTS

National Center for Excellence in Education

NSF Teachers Institute, \$150,000
US Education Teachers Institute, \$50,000
Geraldine Dodge Foundation, \$100,000
Stanley H. Kaplan Foundation, \$20,000
French Ministry of Education, \$25,000
USIA, Youth Exchange, Hungary, \$50,000
USIA, Youth Exchange, France, \$50,000
USIA, Youth Exchange, Asia, Africa, \$50,000
American Chess Foundation, \$5,000
Pan American World Airways, \$1,500
Pfizer Company, \$1,500
Xerox Company, \$5,000

The City College

NYC Board of Education, \$50,000
Marine Transportation, CUNY-RF, \$5,000
UMTA North Shore Transit, Part II, \$325,000
UMTA 63rd Street Access, \$100,000
NYS Education, MISSP, \$57,000
NYC Board of Education, \$900,000 (91- 94)
NYC Child Welfare Administration, \$110,000

Polytechnic Institute of New York

Maritime Administration, \$300,000
Urban Goods Movement, \$250,000

Long Island University

NYC Board of Education, \$110,000

State University at Stony Brook

NYS Education for District 11, \$50,000
People to People, \$67,500
French Ministry of Education, \$8,500
American Chess Foundation, \$500

Adelphi University

People to People, Student Exchange, \$150,000

The City College

WTI, Training for DORTS, \$8,000
WTI, Training for DORTS, \$70,000
Weizmann Institute, Perach, \$10,000
US Education, MISSEP, \$50,000
US Energy, PREP, \$40,000
USIA, Youth Exchange, NIS, \$252,000
NSF, Summer Camp, \$300,000

DOWLING COLLEGE RESEARCH

- Intelligent Marine Transportation System: Swift Marine Advance Response Transportation Technology
- UNISYS Heliport Study
- Intermodal Passenger Transportation System Serving Staten Island
- Monitoring ITS Technology
- Best Practices in the Design of Passenger Terminals
- International Transportation and Logistics Management
- Career Opportunities in Intermodal Transportation
- Russia's Food Distribution Systems in St. Petersburg and Moscow
- Vision 20/20 Long Island Transportation and Economic Development Plan
- Continuous Flow Intersection Technology
- Preparing Minority Students for Careers in Transportation and Science
- Application of Intelligent Transportation System Technology to Reduce Automobile Theft
- Prevention of Automobile Insurance Fraud Using Internet
- Transportation to Health Care Facilities
- Issues Impacting Cross Border Crossings

- Local Area Traffic and Transportation Issues
- Intermodal Connectivity, CAST II

COMMUNITY SERVICE AWARDS

- Founder Award, Arden Heights Boulevard Jewish Center, 1998
- Distinguished Service, Council of Jewish Organizations, 1992
- Stuyvesant Parents Association, 1990
- Distinguished Service, International Summer Institute, 1988
- Honorary Degree, Stuyvesant High School, New York City Board of Education, 1987
- Distinguished Service, Stuyvesant H.S. Parents Assoc., 1987
- Parents Leadership, Council of Supervisors & Admin., 1987
- Past President, Arden Heights Boulevard Jewish Center, 1987
- Village Green Soccer Club Distinguished Service, 1983
- Distinguished Service, Friends of the Ferry, 1982
- Scouting Award, Pack and Troop #444, 1981
- Israel Leadership, Israel Bonds, 1979
- Distinguished Service, Council of Jewish Organizations, 1979
- Distinguished Service, MAUDEP, 1979
- New Life, Israel Bonds, 1979
- Lion of David, Israel Bonds, 1979
- Shalom Award, Arden Heights Boulevard Jewish Center, 1978
- Dedicated Service, Council of Jewish Organizations, 1978
- Twelve Tribes of Israel, Israel Bonds, 1978
- Distinguished Service, Council of Jewish Organizations, 1977
- Service Award, Borough President of Staten Island, Community Board #3, 1997
- Past President, Arden Heights Boulevard Jewish Center, 1974
- Distinguished Service, MAUDEP, 1974

COMMUNITY SERVICE

- Past President and Current Director, The Waterways Civic Association, Moriches, NY
- Past Member, William Floyd Community Summit, Moriches-Shirley-Mastic
- Past Member, Bay Area Civic Association, Shirley-Mastic
- Past Member, Moriches Bay Civic Association, Moriches-Center Moriches
- Founder, First President, Past Trustee, Arden Heights Boulevard Jewish Center
- Past President, Staten Island Council of Jewish Organizations
- Delegate and Founding Member, Jewish Community Relations Council of New York.
- Past Committee Person, Cub Pack #444
- Founder, Past Chairperson, Boy Scout Troop #444
- Past Delegate, New York City Metropolitan Council on Poverty
- Former Member, Staten Island Community Planning Board #3 and #4
- Member Transportation Committee, Staten Island Community Planning Board #3
- Delegate, NYC Council on Soviet Jewry
- Former Coach, Village Green Little League
- Founder and First Chair, Staten Island Jewish National Fund
- Past Chair and Member, Staten Island Israel Bonds
- Past Director, Silver Lake Soccer Club
- Co-founder Staten Island Soccer Federation

- Past President, Executive Committee member and chair of many committees, Stuyvesant High School Parents Association
- Co-founder, Staten Island Fencing Club
- Co-founder, Village Green Soccer League
- Coach Village Green Soccer Club
- Past Member, Board of Directors, Staten Island Jewish Community Center
- Co-founder Staten Island Jewish Historical Society
- Past Member, Board of Guardians and Jewish Family Service
- Chairperson, Staten Island's 25th Anniversary Celebration of Israel's Founding
- Committee Chair, Village Green Residents Association
- Co-founder and Director, Staten Island PED
- Founder and Director, Stuyvesant Institute
- Member Community Advisory Board, Richmond Memorial Hospital
- Founder, Director, Friends of the Staten Island Ferry

SCHOLARLY ACTIVITIES (Publications and Presentations)

1. **Pedestrian Information Systems**, Man Transportation Interface Proceedings, American Society of Civil Engineers, May 1972.
2. **Cargo Security in the Garment Center**, Proceedings, 1973, National Cargo Security Conference, USDOT, September 1973.
3. **The New York City Garment Center Urban Goods Movement Study**, Proceedings, International Conference on Transportation Research, Bruges, Belgium, College D'Europe, Transportation Research Forum, June 1973, Joint Author.
4. **Getting the Job Done**, Proceedings, Bicycle/Pedestrian Planning and Design Seminar, Disney World, Florida, December 1973.
5. **Operating Characteristics of Rail Transit**, University of California, Institute for Traffic and Transportation Engineering, Los Angeles, Videotaped, June 1973.
6. **Goods Movement in the New York Garment Center**, The Location of Freight Terminals in Urban Areas, Proceedings of the Engineering Foundation Conference, Berwick, August 1973, Joint Author.
7. **Bikeway Maintenance**, Proceedings, International Bicycle/Pedestrian Conference, London, May 1974, Joint Author.
8. **Goods Movement in Urban Development**, Third World Congress of Engineers and Architects in Israel, December 1973, Proceedings, September 1974, Joint Author.
9. **Bikeway Development**, Bikeways are Beautiful Conference, Princeton, November 1974.
10. **Passenger Access, Marine Passenger Terminals**, Proceedings, Third National Bicycle/Pedestrian Planning, Design and Implementation Seminar, San Diego, December 1974, Joint Author.
11. **Bikeway Planning, the New York Experience**, Proceedings, Second International Seminar on the Planning and Implementation of Bicycle and Pedestrian Facilities, Amsterdam, May 1975.
12. **The New York City Urban Goods Movement Program**, Proceedings of the Engineering Foundation Conference on Goods Transportation in Urban Areas, Santa Barbara, California, September 1975, Joint Author.
13. **Operations Management**, Proceedings of the Engineering Foundation Conference on Goods Transportation in Urban Areas, Santa Barbara, California, September 1975.
14. **New York City Metropolitan Area High-Speed Waterborne Transportation Project**, Proceedings, First International Waterborne Transportation Seminar/Workshop, Orlando, October 1975.

15. **The Apparel Goods Movement Process**, Proceedings, American Society of Civil Engineers, Denver, Colorado Convention, November 1975, Joint Author.
16. **Goods Movement in Manhattan's Garment Center**, Proceedings, Transportation Research Forum, Toronto, Canada, November 1975, Joint Author.
17. **Bicycling in a Metropolitan Area**, Proceedings, Fourth National Seminar on the Planning, Design, Implementation of Bicycle/Pedestrian Facilities, New Orleans, Louisiana, December 1975.
18. **Waterborne Transit**, Proceedings, Sixth National Seminar on the Planning, Design and Implementation of Bicycle/Pedestrian Facilities, Palo Alto, California, July 1977.
19. **New York City's Waterborne Demonstration Program**, Proceedings, American Society of Civil Engineers, New York City Conference, October 1977.
20. **Staten Island Ferries for the 1980's**, New York Metropolitan Section, Society of Naval Architects and Marine Engineers, New York, May 1982, Joint Author.
21. **Improving the Operating Efficiency of the Staten Island Ferry System**, Proceedings, International Marine Transit Conference, San Francisco, California, November 1982, Joint Author.
22. **Decision Criteria of Ferry Users**, Proceedings, Ninth Annual Marine Transit Conference, New York City, October 1984, Joint Author.
23. **New Possibilities in Marine Transit**, Proceedings, Fourteenth Annual Conference of the International Marine Transit Association, Helsinki, September 1989.
24. **High-Speed Passenger Ferry Service, A Case Study**, Transportation Research Board, 69th Annual Meeting, Washington, DC, January 1990. (Accepted for Publication)
25. **Modeling Waterborne Passenger Transportation User Characteristics**, Transportation Research Board, 69th Annual Meeting, Washington, DC, January 1990. (Accepted for Publication)
26. **SMARTT Vehicle: Marine Passenger Vessel for the 21st Century**, Proceedings, Transportation Management Conference at SUNY Maritime, New York, May 1994, Joint Author.
27. **Preparing Students to Cope with the Twenty-First Century's Economic and Social Prospects**, Proceedings Mid-Atlantic Section Conference, American Society for Engineering Education, Toms River, NJ, April 1995, Joint Author.
28. **Modal and Intermodal Transportation Careers: 2005**, Proceedings, Second Annual Transportation Management Conference, Fort Schyler, NY, May 1995, Joint Author.
29. **Transportation Companies: A Strategic Plan for Education and Training**, Proceedings, Intelligent Transportation Society of America, Education and Training Workshop, Reston, VA, June 1995.
30. **Transportation Industry Careers: 2005**, Proceedings, Intelligent Transportation Society of America, Education and Training Workshop, Reston, VA, June 1995, Joint Author.
31. **Leadership in Intermodal Transportation and Applied Research**, Proceedings, American Society Civil Engineers 1995 Transportation Congress, San Diego, CA, October 1995, Joint Author.
32. **Intelligent Marine Transportation Systems: SMARTT (Swift Marine Advance Response Transportation Technology)**, Proceedings, American Society Civil Engineers 1995 Transportation Congress, San Diego, CA, October 1995, Joint Author.
33. **An Educational Initiative: Helping Minority Students in Mathematics, Science and Technology**, Proceedings, Educational Empowerment of Minority Youth: Perspectives for the Twenty-First Century, Brooklyn College, Brooklyn, NY, November 1995, Joint Author.
34. **Center for Education in Technology and Science at Dowling College**, The Partnership for Service-Learning, 13th Annual International Conference, Preparing Students for the New World: Service Learning in the Americas and Elsewhere, Guadalajara, Mexico, February 1996, Joint Author.
35. **Intermodal Transportation Careers: Preparing for the 21st Century**, Proceedings, 1996 Intermodal Distribution Education Academy, Atlanta, GA, March 1996, Joint Author.
36. **A 21st Century Vision for Intelligent Intermodal Transportation Systems and Technologies**, Proceedings, Institute for Transportation Engineers, International Conference, Dana Point, CA, March 1996, Joint Author.

37. **A 21st Century Vision of Intelligent Intermodal Transportation Technology**, Semi-sesquicentennial Transportation Conference: Celebrating the 75th Anniversary of the Transportation Research Board, Ames, IA, May 1996, Joint Author.
38. **Transportation Technology Careers: 2005**, Proceedings, International Conference on Engineering Education and Practice, Washington, DC, June 1996, Joint Author.
39. **Transportation Technology Careers: 2005**, Proceedings, American Society for Engineering Education Annual Conference, Design in Engineering Division and International Division, Washington, DC, June 1996, Joint Author.
40. **Intermodal Transportation Career Opportunities**, Proceedings, Intermodal 96 South America, Sao Paulo, Brazil, June 1996, Joint Author.
41. **Solving Air Transportation and Intermodal Related Issues**, Proceedings, 24th International Air Transportation Conference, American Society of Civil Engineers, Louisville, KY, June 1996, Joint Author.
42. **Innovative Surface Transportation Design: Continuous Flow Intersection**, Proceedings, Fifth International Symposium on Intermodal Transportation, Bordeaux, France, July 1996, Joint Author.
43. **An Overview of Intelligent Transportation Systems Technology**, Proceedings, Fifth International Symposium on Intermodal Transportation, Bordeaux, France, July 1996, Joint Author.
44. **An Intermodal Transportation Decision-Making Tool for the 21st Century**, Proceedings, North Eastern Business and Economic Association Annual Meeting and Conference, Co-sponsored by Dowling College Islandia, NY, September 1996, Joint Author.
45. **Continuous Flow Intersection: A Public/Private Partnership**, Proceedings, Third Annual World Congress on Intelligent Transport Systems, Orlando, FL, October 1996, Joint Author.
46. **Continuous Flow Intersection**, Proceedings, International Road Federation, 1996 Asia-Pacific Regional Meeting, Taipei, Taiwan, November 1996, Joint Author.
47. **A Visionary Approach to Transportation Education and Training: A New Prototype for the 21st Century**, Proceedings, International Road Federation, 1996 Asia-Pacific Regional Meeting, Taipei, Taiwan, November 1996, Joint Author.
48. **Simulation and Conflict Resolution in the Planning and Development of Transportation Facilities**, Proceedings, International Road Federation, 1996 Asia-Pacific Regional Meeting, Taipei, Taiwan, November 1996, Joint Author.
49. **An Intermodal Passenger Ferry Concept for New York City**, Transportation Research Board Conference, Washington, DC, January 1997, Joint Author, (Accepted for Publication).
50. **Educating Transportation Leaders for the 21st Century**, Proceedings, The 13th Institute for Transportation Engineers International Conference, Transportation and Sustainable Communities - Challenges and Opportunities for the Transportation Professional, Tampa, FL, March 1997, Joint Author.
51. **Intermodal Transportation Simulation System - A New Prototype for the 21st Century**, Sixth International Conference on Automated People Movers, American Society of Civil Engineers, Las Vegas, NV, April 1997, Joint Author.
52. **An Overview of Intelligent Transportation System Technology**, Proceedings, The Fourteenth Annual International Intermodal Expo, The Intermodal Distribution Education Academy, Atlanta, GA, April 1997, Joint Author.
53. **Intelligent Transportation Simulation System: A New Prototype for the 21st Century**, Proceedings, Intelligent Transportation Society of America Annual Conference, Merging the Transportation and Communication Revolution, Washington, DC., June 1997, Joint Author.
54. **Solving Intermodal Transportation-Related Issues**, Proceedings, XIIIth International Road Federation World Meeting, Toronto, Canada, June 1997, Joint Author.
55. **Intermodal Transportation Careers**, Proceedings, XIIIth International Road Federation World Meeting, Toronto, Canada, June 1997, Joint Author.

56. **Continuous Flow Intersection: An Intelligent Transportation Solution**, Proceedings, 67th Annual Meeting of the Institute of Transportation Engineers, Boston, MA, August 1997, Joint Author.
57. **Improving the Intermodal Transportation System Using Advance Simulation Technology**, Proceedings, 4th World Congress on Intelligent Transport Systems, Berlin, Germany, October 1997, Joint Author.
58. **Advance Simulation Technology Applied to Passenger Terminal Safety and Security**, Proceedings, Passenger Terminal World Expo and Conference, Paris, March 2006, Joint Author.
59. **Advanced Virtual Simulation Technology: Case Study**, Proceedings, Government Security Expo and Conference, Washington, DC, April 2006, Joint Author.
60. **Advance Virtual Simulation Model for Intermodal Terminals**, Proceedings, 6th Asia Pacific Transportation Development Conference and 19th International Chinese Transportation Professional Association, Hong Kong and Macau, May-June 2006.
61. **Advance Simulation Technology Applied to Port Safety and Security**, Proceedings, American Society of Civil Engineer, Ninth International Conference on Applications of Advance Technology in Transportation, Chicago, August 2006, Joint Author.
62. **Advance Simulation Technology Applied to Passenger Terminal Safety and Security**, Proceedings of the 10th International Passenger Terminal World Expo, Paris, France, March 2006, Joint Author.
63. **Guidelines for Intermodal Connectivity and the Movement of Goods for Dubai, UAE**, Proceedings, 2008 Annual Meeting, Institute of Transportation Engineers, August 2008, Joint Author.
64. **Critical Issues Surrounding Railroad Crossing Accidents**, Website Proceedings, Institute of Transportation Engineers, Northeastern District Annual Meeting, Port Jefferson, NY, March 2011.
65. **Rail Passenger Terminal Safety Audit**, Website Proceedings, International Seminar and Exposition, Rail Safety, 2014, Orlando, FL, April 2014, Joint Author.
66. **Pedestrian Safety in a Terminal Environment**, Website Proceedings, Institute of Transportation Engineers, Northeastern District, Long Branch, NJ, May 2014, Joint Author.
67. **Passenger Safety: Subway and Bus**, Proceedings, Subway Series 2014: Get on Track, New York State Trial Lawyers Institute, New York, NY, May 2014.
68. **Passenger Railroad Facility Safety Audit as Revenue Protection**, Joint Rail Conference, San Jose, CA, March 2015, Joint Author.

SCHOLARLY ACTIVITIES (Publications)

1. **Location Feasibility Studies, New York State Route 347, I I I, 27A** (three publications), New York State Department of Transportation, Long Island District 1965 - 1967, Joint Author.
2. **Application of CPM's to Transportation**, Master's Thesis, Baruch School of Business Administration, 1967.
3. **Planning for Development in New York State**, New York State Office of Planning Coordination, 1970, Joint Author.
4. **Long Island Sand and Gravel**, New York State Office of Planning Coordination, 1971, Joint Author.
5. **Bicycle Lane Midtown Manhattan**, New York City Transportation Administration, 1971, Joint Author.
6. **The Operation of Hovercraft in the New York City Metropolitan Area, A Technical Evaluation**, US Department of Transportation, February 1975, Joint Author.
7. **The Operation of Hovercraft in the New York City Metropolitan Area, Economic Feasibility**, US Department of Transportation, February 1975, Joint Author.
8. **New York City Metropolitan Area High-Speed Waterborne Transportation**, New York City Transportation Administration, 1975, Joint Author.
9. **Staten Island-Manhattan Ferry Terminal, Staten Island Ferry System Study**, New York City Transportation Administration, December 1975, Joint Author.
10. **Manhattan Garment Center Urban Goods Movement Study, Phase I**, New York City Transportation Administration, June 1976, Joint Author.
11. **Better Integration of Transportation Modes**, New York City Department of Transportation, September 1977, Joint Author.
12. **The Bicycle Still a Token Part of Transportation Planning**, Practicing Planner Magazine, American Institute of Planners, March 1978.
13. **Moped Planning, Design and Implementation**, Moped Planning, Design and Implementation Conference, Editor Proceedings, May 1978.
14. **Manhattan Garment Center Urban Goods Movement Study, Phase II**, New York City Department of Transportation, December 1979, Joint Author.
15. **High-Speed Waterborne Transportation Project**, New York City Department of Transportation, 1979, Joint Author.
16. **Ferry Ridership Characteristics**, New York City Department of Transportation, June 1980.
17. **Some Critical Aspects of Ferry Planning**, Polytechnic Institute of New York, November 1981, Joint Author.
18. **Marine Transit: A New Direction**, Marine Engineering Log Magazine, November 1982.
19. **Modeling Waterborne Transportation User Characteristics**, Dissertation, Polytechnic Institute of New York, January 1985.
20. **Staten Island Ferry System: Next Decade**, New York City Department of Transportation, December 1984, Joint Author.
21. **New York's Ferry Future**, Oculus Magazine, New York Chapter of the American Institute of Architects, April 1985, Joint Author.
22. **North Shore Corridor Study**, New York City Department of Transportation, November 1987, Joint Author.
23. **Waterborne Transportation on the Potomac River**, Aqua Line, May 1990.
24. **Intelligent Intermodal Transportation Systems and Technologies**, Third World Congress Foundation, Chicago, IL, March 1996, Joint Author.
25. **Intelligent Marine Transportation Systems: SMARTT**, Urban Transport 95' and the Environment for the 21st Century Proceedings, Wessex, UK, 1996, Joint Author.
26. **Transportation Engineering and Technology Careers: 2005**, Canadian Society of Transportation Engineers Transportation Conference, Edmonton, Alberta, May 1996, Joint Author.

27. **The National Aviation and Transportation Center, Providing Leadership in Intermodal Transportation**, Canadian Society of Transportation Engineers Transportation Conference, Edmonton, Alberta, May 1996, Joint Author.
28. **Road-Rail-Sea: An Intermodal Passenger Concept**, Canadian Society of Transportation Engineers Transportation Conference, Edmonton, Alberta, May 1996, Joint Author.
29. **Intelligent Marine Transportation System**, The 5th International Conference on High Speed Marine Craft, Safe Design and Safe Operation, Bergen, Norway, September 1996, Joint Author.
30. **Preparing Students for the 21st Century with an International Upper Division High School Program on a College Campus**, Eco-Inforna 96, Lake Buena Vista, FL, November 1996, Joint Author.
31. **Continuous Flow Intersection**, Eco-Inforna 96, Lake Buena Vista, FL, November 1996, Joint Author.
32. **Intermodal Transportation Simulation System: A New Prototype for the 21st Century**, Eco-Inforna 96, Lake Buena Vista, FL, November 1996, Joint Author.
33. **A Visionary Approach to Transportation Education and Training: A New Prototype for the 21st Century**, Eco-Inforna 96, Lake Buena Vista, FL, November 1996, Joint Author.
34. **Simulation and Conflict Resolution in the Planning and Development of Transportation Facilities**, 6th Transportation Research Board of the National Research Council Conference on the Application of Transportation Planning Methods, Dearborn, MI, May 1997, Joint Author.
35. **Continuous Flow Intersection: An Intelligent Transportation Solution**, 30th International Symposium on Automotive Technology and Automation, Florence, Italy, June 1997, Joint Author.
36. **An Intermodal Transportation Simulation System for the 21st Century**, 30th International Symposium on Automotive Technology and Automation, Florence Italy, June 1997, Joint Author.
37. **Continuous Flow Intersection**, XIIIth International Road Federation World Meeting, Toronto, Canada, June 1997, Joint Author.
38. **Leadership on the Line**, Long Island Topics, New York Newsday, February 23, 2003, p. A31.
39. **Congestion Reduction Strategy for Dubai**, Road and Transport Authority, Dubai, UAE, January 2006, Joint Author.
40. **Port Everglades Simulation Project: Case Study**, Center for Coastline Security Technology, Florida Atlantic University, April 2006, Joint Author.
41. **Virtual Port Simulation, Port Everglades Environs**, Center for Coastline Security Technology, Florida Atlantic University, College of Engineering and Computer Science, US Office of Naval Research, Defense Technical Information Center, 2006, Principal Investigator and Author.
42. **Guidelines for Intermodal Connectivity and the Movement of Goods for Dubai**, Logistics Spectrum Magazine, Vol. 40 No. 3, July-September 2006, pp. 27-35.
43. **Innovative Approach for Evaluating Intermodal Transportation Safety and Security**, Goods Movement Council Newsletter, Institute of Transportation Engineers, Summer, 2006.
44. **Advance Analysis: How Can Newly Developed Technology be Applied to Improving Passenger Terminal Safety and Security**, Passenger Terminal World Magazine, November 2006, Joint Author.
45. **Mind the Gap**, The TASA Group, www.tasanet.com, Knowledge Center, December 2006.
46. **Guidelines for Intermodal Freight Connectivity: Drawing Excellence Through Best Practices**, Business Process Council World Conference, Mumbai, India, November 30- December 1, 2007, Joint Author.
47. **Smart Parking and Intelligent Parking Management System**, Passenger Terminal Expo 2008, Management and Operations Session, Amsterdam, April 15-17, 2008.
48. **Guidelines for Intermodal Connectivity and the Movement of Goods for Dubai, UAE**, Institute for Transportation Engineers Annual Meeting and Exhibit, Anaheim, CA, August 20, 2008, Joint Author.

49. **Intermodal Connectivity and Movement of Goods for Dubai**, 4th International Gulf Conference on Roads, Doha, Qatar, November 10-13, 2008, Joint Author.
50. **Passenger Platform Level of Service**, The TASA Group, www.tasanet.com, Knowledge Center, April 2010.
51. **Overcrowding Blamed for NYC Passenger's Fatal Fall**, The TASA Group, www.tasanet.com, Knowledge Center, April 2010.
52. **Rail Platform Overcrowding**, The TASA Group, www.tasanet.com, Knowledge Center, April 2010.
53. **Hazards of Rail Platform Overcrowding**, The Trial Lawyers, Dothan, AL, Winter, 2011.
54. **Mind the Gap: Safety Issues Involved in Overcrowding on Station Platforms**, Railway Terminal World, UK, March 2011.
55. **Pedestrian, Passenger, Worker Safety and Security in the Railroad Environment**, Chapter 18, Train Accident Reconstruction and FELA and Railroad Litigation, Fifth Edition, Lawyers and Judges Publishing Company, Tucson, AZ, Scheduled for 2020 Publication, Joint Author.
56. **Train Sideswipe Accident and Passenger Injury**, Proceedings Joint Rail Conference, Virtual, July 2020, Joint Author.

SCHOLARLY ACTIVITIES (Presentations)

1. **Garment Center Transportation Study**, Highway Research Board, January 1973, Joint Author.
2. **Terminals in the New York City Garment Center**, Tulsa, Oklahoma, American Society of Civil Engineers, July 1973.
3. **Transportation Project Planning**, University of California, Institute for Transportation and Traffic Engineering, Allisal Ranch, Solvang, February 1974.
4. **Urban Transportation**, First Annual Transportation Conference, St. John's University, New York, November 1975.
5. **Consolidating Urban Goods Movement**, Paper Presented, Goods Movement Conference, University of Tennessee, Knoxville, Tennessee, 1975, Joint Author.
6. **Garment Center Urban Goods Movement Project, A Status Report**, Transportation Research Board, Washington, January 1976.
7. **Urban Bikeway Systems**, Third International Bicycle Pedestrian Conference, Toronto, 1976.
8. **New York City's Urban Goods Movement Problems**, Transportation System Management Conference, Princeton University, New Jersey, April 1977.
9. **Waterborne Transportation in North America**, Institute Transportation Engineers' Student Conference, Polytechnic Institute of New York, December 1977.
10. **Technology Advances in New York City's Waterborne Passenger Transportation**, Transportation Research Board, Washington, DC, January 1978.
11. **A Transportation System on Water**, Institute of Transportation Engineers, Polytechnic Institute of New York, May 1982.
12. **Overview of Operating Characteristics of In-Service High-Speed Vessels**, American Society of Civil Engineers' Conference, New Orleans, October 1982.
13. **Modernization of the Staten Island Ferry in its 350 Year**, Paper Presented, Transportation Research Board, Washington, DC, January 1984, Joint Author.
14. **Behavioral Characteristics of Ferry Users**, Transportation Seminar, Polytechnic Institute of New York, March 1985.
15. **Future Development of Ferries in New York Harbor**, Seminar in Transportation, Polytechnic Institute of New York, March 1985, Joint Author.
16. **Ferries and Waterfront Development**, Second Annual Conference of Boston Harbor Ferries Transportation: A New Transportation Network, Boston, May 1985.

17. **Innovations in Attracting Minority Students to Transportation**, Transportation Research Board, 69th Annual Meeting, Washington, DC, January 1990.
18. **The Findings on The Staten Island Ferry Terminal Access Study**, Paper Presented, Transportation Research Board, 69th Annual Meeting, Washington, DC, January 1990.
19. **High School and Junior High Contacts**, AASHTO Workshop on Transportation Careers, Dearborn, Michigan, April 1990.
20. **Marine Transit in Urban Area**, Fifteenth Annual Conference of the International Marine Transit Association, Quebec City, September 1990.
21. **Ferries in a Seamless Transportation Network**, Fifteenth Annual Conference of the International Marine Transit Association, Quebec City, September 1990, Joint Author.
22. **Doing Business in Russia**, US Department of Commerce, Port Authority of NY & NJ, May 1992.
23. **Seize the Day: US Private Sector Involvement in the Newly Independent States**, Business Executives for National Security, New York, February 1993.
24. **Small Business Opportunities in the Former Soviet Union**, National Institute for World Trade, Moscow Business University, US - NIS Chamber of Commerce and Industry, Moscow, March 1993.
25. **The NIS: A New World for Trade and Investment**, Global Business/Long Island, National Institute for World Trade, Huntington, May 1993.
26. **High-speed Waterborne Transportation**, Staten Island Staff of the Borough President, Staten Island, NY, February 1994.
27. **Special Summer and After School Programs for the Gifted and Talented**, Consortium of Math and Science High Schools, New York, April 1994.
28. **Swift Marine Advanced Response Transportation Technology: A Concept Paper**, Transportation Research Board, Ferry Transportation Committee, Washington, DC, January 1995, Joint Author.
29. **Application of ITS Technology for the Planning and Design of Modal and Intermodal Transit Systems**, Paper Presented, Meeting of the Intelligent Transportation Society of New York State, Hauppauge, NY, June 1995, Joint Author.
30. **Road-Rail-Sea: An Intermodal Passenger Concept**, Paper Presented, Global Intermodalism and Economic Development, Fourth Annual Symposium, National Aviation and Transportation Center, Long Island, NY, July 1995, Joint Author.
31. **Intermodal Transportation: Spain's Door to the Twenty-First Century**, Paper Presented, International and Mediterranean Studies Conference, Murcia, Spain, July 1995, Joint Author.
32. **Science Research Programs with Russia**, Science Council of New York City, Brooklyn, NY, November 1995.
33. **Dowling College's BS in Transportation Planning and Management**, Staff Development Day for Aviation High School, Oakdale, NY, November 1995.
34. **Transportation Industry Careers: 2005**, Paper Presented, Intelligent Transportation Society of America Annual Meeting, Houston, TX, April 1996.
35. **Flight and Transportation in the 21st Century**, Nassau Science Exploration, Hofstra University, Hempstead, NY, May 1996, Joint Presenter.
36. **Simulation and Conflict Resolution in the Planning and Development of Airport Facilities**, Paper Presented, 24th International Air Transportation Conference, American Society of Civil Engineers, Louisville, KY, June 1996, Joint Author.
37. **Solving Intermodal Transportation Related Issues: A New Prototype for the 21st Century**, Paper Presented, International Symposium on Automotive Technology and Automation, Florence, Italy, June 1996, Joint Author.
38. **A New Prototype for Intermodal Education, Training and Research**, Paper Presented, Northeast Association of State Transportation Officials, Providence, RI, June 1996, Joint Author.

39. **Norman Thomas High School's Logistics Program**, Council of Logistics Management, Educator Conference, Jointly Sponsored by Ohio State University, Orlando, FL, October 1996.
40. **Intelligent Transportation Careers: 2005**, Paper Presented, Third Annual World Congress on Intelligent Transport Systems, Orlando, FL, October 1996, Joint Author.
41. **National Aviation and Transportation Center: Current Activities**, Presented at the office of Scott, Wilson, Kilpatrick and to the Transportation Faculty at Hong Kong University and Hong Kong University for Science and Technology, Hong Kong, November 1996.
42. **Intermodal Transportation in Education and Careers**, Paper Presented, AEROEXPO Acapulco 97, Acapulco, Mexico, February 1997, Joint Author.
43. **The National Aviation and Transportation Center**, American Planning Association, New York Metro Chapter, Long Island Section, NAT Center, Shirley, NY, April 1997.
44. **Intermodal Transportation Education and Training**, Paper Presented, The Fourteenth Annual International Intermodal Expo, Intermodal Association of North America, Atlanta, GA, May 1997.
45. **Career Options in Transportation**, Norman Thomas High School 1997 Logistics Career Day, New York City, May 1997.
46. **The Bridge Between Public and Private**, Intelligent Transportation Society of America Annual Conference, Merging the Transportation and Communication Revolution, Washington, DC, June 1997.
47. **Improving the Intermodal Transportation System Using Advanced Simulation Technology**, Paper Presented, 3rd International Conference on Transport and Cargo Handling, Sao Paulo, Brazil, June 1997, Joint Author.
48. **Simulation Technology Applied to 21st Century Transportation**, The Sixth Annual International Symposium on Intermodal Transportation, Achieving Global Transportation Objectives: Economic, Technical and Practical Solutions, The National Aviation and Transportation Center and The Secretary of Communication and Transportation of Mexico, Mexico City, Mexico, June 1997, Joint Author.
49. **Continuous Flow Intersection Design**, Paper Presented, Joint Meeting: Institute of Transportation Engineers, Metropolitan Section of New York and New Jersey and The Women's Transportation Seminar of Greater New York, Jericho, NY, September 1997.
50. **Directory of Transportation and Transportation Related Education and Training Programs**, National Conference on Intermodal Transportation Education and Training, Transportation Research Board, Washington, DC, November 1997, Joint Author.
51. **Questions of Intermodal Transportation of Farm Products and Documentation Efficiencies; and Current Methods used in Farm Products Processing, Shipping and Warehousing**, Russian Farm Delegation, The Agro-industrial Complex of the USA: Modern Technologies, Transportation and Management, NAT Center, December 1997.
52. **Transportation and Economic Development**, Russian Farm Delegation, "The Agro-industrial Complex of the USA: Modern Technologies, Transportation and Management," NAT Center, December 1997, and July 1998.
53. **Finding an Affordable and Efficient Method of Transporting People Without Cars to Hospital Appointments**, Long Island Transportation Management, Huntington, NY, May 1998, Joint Author.
54. **International Issues in Intermodalism**, Intermodal Distribution Education Academy, Intermodal Expo 98, Houston, TX, May 1998.
55. **Business/Education Partnerships**, Globus 98, Global Reach and Global Needs in Today's Independent World, Sponsored by International Trade Administration, US Department of Commerce, National Institute for World Trade, Huntington, NY, June 1998.
56. **ITS Curricula Within the University Environment**, New York State Intelligent Transportation Society, Saratoga Springs, NY, June 1998.
57. **Movin' the Goods**, Institute of Transportation Engineers, Toronto, Canada, August 1998.

58. **Careers in International Business and Transportation**, New York State Foreign Language Teachers Association, International Business Session, Kiamesha Lake, NY, October 1998.
59. **IDEA**, Intermodal Distribution Education Academy, Intermodal Expo 99, Atlanta, GA, April 1999.
60. **Interface with Private Development, Freight: Move it In, Move it Out**, Institute of Transportation Engineers, Las Vegas, NV, August 1999.
61. **Continuous Flow Intersection**, ITS Connecting America, Transportation Management Initiatives in Developing Countries, Intelligent Transportation Society of America's, Miami Beach, FL, June 2001, Joint Author.
62. **Land Use Development in the Waterways**, Town of Brookhaven Community Summit, Center Moriches, June 2001.
63. **Integrated Transport Security: A National and International Need**, Government Security Exposition and Conference, Washington, DC, April 2006, Joint Author.
64. **Innovative Approach for Evaluating Intermodal Transportation Safety and Security**, 2006 Annual Meeting of the Institute of Transportation Engineers, Chicago, IL, August 2006.
65. **The Five Leading Causes of Railway Platform Accidents and Injuries**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, September 2010.
66. **Three Leading Causes of Pedestrian Railway Accidents**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, November 2010.
67. **Critical Issues: Surrounding Railroad Crossing Accidents** the TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, March 2011.
68. **Critical Issues: Bus and Light Rail Vehicle Passenger Safety**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, June 2011.
69. **Critical Issues: School Bus and Student Safety**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, September 2011.
70. **Leading Causes of Pedestrian Railroad Accidents and Injuries**, Annual Meeting of the National Association of Railroad Safety Consultants and Investigators, Minneapolis, MN, September 2011.
71. **Leading Causes of Railroad Pedestrian Accidents and Injuries**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, November 2011.
72. **Leading Causes of Railroad Station Passenger Accidents**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, January 2012.
73. **Railroad Grade Crossing Accidents**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, February 2012.
74. **Passenger Terminal Safety**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, April 2012, Joint Presenter.
75. **Bus Passenger Safety**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, June 2012.
76. **Rail Terminal Safety**, Annual Meeting of the National Association of Railroad Safety Consultants and Investigators, Chicago, IL, September 2012.
77. **Slip and Fall Accident Investigations – An Engineering Perspective**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, November 2012, Joint Presenter.
78. **Student Safety Door to Door, Part I**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, January 2013.
79. **Student Safety Door to Door, Part II**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, February 2013.
80. **Slip, Trip and Fall in a Railroad Environment**, Annual Meeting of the National Association of Railroad Safety Consultants and Investigators, Indianapolis, IN, October 2013.
81. **Passenger Safety: Train and Bus**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, November 2014.
82. **Bus and Rail Safety**, The Expert Institute, Webinar Seminar, New York, NY, May 2015.

83. **High-Level Station Platforms and Passenger Safety**, American Railway Engineers and Maintenance of Way Association (AREMA), Railway Interchange 2015, Minneapolis, MN, October 2015, Joint Author.
84. **Slip, Trip, Imbalance and Fall Accidents**, The TASA Group Website, www.tasanet.com, Knowledge Center, Web Seminar, December 2016.
85. **Platform Edge/Screen Doors and Gates Save Lives and Prevent Injuries**, Institute of Transportation Engineers, Northeastern District Meeting, May 2021.

OTHER PUBLICATIONS

1. Publisher/Coeditor MAUDEP Press

- Pedestrian Planning and Design by Dr. John Fruin
- Proceedings Bicycle/Pedestrian Conferences (Eleven)
- Waterborne Passenger Transportation Proceedings (Two)
- Proceedings Moped Transportation Conference

2. Contributing Editor

- Institute for Safety in Transportation Newsletter
- NYC Department of Transportation Newsletter
- Metropolitan Association of Urban Designers and Environmental Planners' Newsletter
- International Education Center

3. Contributing Photographer

- Staten Island Advance
- Urban Land Institute

4. Columnist

- Staten Island Register, 1975 - 1976
- Immigrant Nurse, 1991 - 1994
- Guia Multimodal, 1997

5. Media Presentations

- Newsday
- Philadelphia Inquirer
- Florida Sun Sentinel
- Palm Beach Post
- CBS Television
- NBC Television
- China Television
- Sky News

PROFESSIONAL CONFERENCE COMMITTEES

1. **Philadelphia Transit**, American Society of Civil Engineers, Metropolitan Section, 1968.
2. **Boston Transit**, American Society of Civil Engineers, Metropolitan Section, 1968.
3. **Russia, France and England Transportation Program**, American Society of Civil Engineers, Metropolitan Section and Metropolitan Association of Urban Designers and Environmental Planners, 1969.
4. **First Annual Housing System Symposium and Workshop**, Metropolitan Association of Urban Designers and Environmental Planners, Nassau, Bahamas, 1970.
5. **Russia Transportation Educational Programs**, Metropolitan Association of Urban Designers and Environmental Planners, 1970 - 1985.

6. **Second World Congress, Dialogues in Development, Integration of Interdisciplinary Planning and its Implementation in Development Work**, Society of Engineers/Architects, Israel, 1970.
7. **National Transportation Symposium, Aesthetic Design of Transportation Facilities**, Metropolitan Association of Urban Designers and Environmental Planners, Grossingers, New York, 1971.
8. **Second Annual Housing System Symposium**, Metropolitan Association of Urban Designers and Environmental Planners, Venezuela, 1971.
9. **Ekistics, Our Building and Human Development, Center for Ekistics**, Athens, Greece, 1971.
10. **New and Traditional in the Same Town World Congress**, International Federation of Housing and Planning, Belgrade, Yugoslavia, 1971.
11. **Metropolitan Goods Movement Symposium**, New York City, 1972.
12. International Conference of the International Federation of Housing and Planning, Liverpool, England, 1972.
13. International Association for Bridge and Structural Engineers, Amsterdam, Netherlands, 1972.
14. **European-American Symposium - New Towns, Urban Development**, Urban Transportation, Europe, 1972.
15. **Man/Transportation Interface**, American Society of Civil Engineers, Washington, DC, 1972.
16. XIII International Conference on Foundation Engineering and Soil Mechanics, Moscow, Russia, 1973.
17. **International Conference on Urban Transport Technology**, Highway Research Board, Bruges, Belgium, June 1973.
18. **Third World Congress, Dialogue in Development**, Association of Engineers and Architects, Israel, 1973.
19. **Recycling Cities**, Design and Environment Magazine, New York City, September 1973.
20. **The World City in World Crisis**, Metropolitan Association of Urban Designers and Environmental Planners, International Research Institute, New York City, November - December 1973.
21. **Planning for Engineers and Land Surveyors**, Institute for Transportation and Traffic Engineering, University of California, Solvang, California, February 1974.
22. **Transportation Facilities Workshop in Passenger Freight and Parking**, American Society of Civil Engineers, New York, May 1974.
23. **Integrated Planning and Implementation in Metropolitan Areas**, International Federation of Housing and Planning, Vienna, Austria, 1974.
24. International Conference, International Federation of Park and Recreation Associations and the International Federation of Landscape Architects, Vienna, Austria, 1974.
25. **Scandinavia: A Living Workshop**, International Program in Planning and Design, Scandinavia, 1974.
26. **Land Use Planning**, American Society of Civil Engineers, Washington, DC, June 1975.
27. **International Conference on Bicycle/Pedestrian Transportation**, Society of Medicine and Law, Technion University of Haifa, Israel, December 1976.
28. World Congress of Engineers, Architects and Planners, Israel, 1976.
29. **The Role of Local and Regional Government in Improving Environment for Human Settlement**, International Federation for Housing and Planning, Japan, 1976.
30. World Conference on Transportation Research, Rotterdam, 1977.
31. **New Trends in Urban Planning**, International Symposium, Tel Aviv, Israel, 1977.
32. **Public Transportation Systems in Urban Areas**, International Conference, Gothenburg, Sweden, 1977.
33. **Introduction to Bicycle Planning and Design**, Continuing Education Series, Metropolitan Association of Urban Designers and Environmental Planners, Palo Alto, California, 1977.
34. First Urban Planning/Urban Transportation Delegation, People's Republic of China, 1978.
35. First Engineering and Technology Delegation, People's Republic of China, 1978.

36. **Bicycle/Pedestrian Planning, Design and Implementation Conferences**, Metropolitan Association of Urban Designers and Environmental Planners: New York and San Francisco 1972, London, and Orlando, 1973 Amsterdam, San Diego 1974, New Orleans 1975, Toronto 1976, Palo Alto 1977, Chicago 1978, San Diego 1979.
37. **International Waterborne Transportation Conference**, Metropolitan Association of Urban Designers and Environmental Planners, Orlando, Florida, 1975.
38. **Waterborne Transportation Conference**, American Society of Civil Engineers, New York, 1977.
39. **First National Moped Conference**, Metropolitan Association of Urban Designers and Environmental Planners, Anaheim, California, 1978.
40. **International Marine Transit Association Conferences**: Seattle 1978, Halifax 1979, New Orleans 1980, Copenhagen 1981, San Francisco 1982, Stockholm 1983, New York 1984, London 1985, Vancouver 1986, Messina 1987, Boston 1988, Helsinki 1989, Quebec City 1990, Estoril 1991, Hong Kong 1992, San Francisco 1993, Bergen 1994, Sidney, 1995.
41. **International Conferences on Transportation Safety**, Institute for Safety in Transportation, San Diego 1979, Athens 1985
42. **Marine Industry Conference**, CSB, People's Republic of China, 1979.
43. **Aviation Industry Conference**, CSB, People's Republic of China, 1980.
44. **Business Development Workshop with Pan Am**, CSB, People's Republic of China, 1980.
45. **Veterinary Medicine**, CSB, People's Republic of China, 1981, 1982.
46. **International Marine Transit Conference**, International Marine Transit Association, People's Republic of China, November 1982.
47. **International Marine Transit Conference**, International Marine Transit Association, Leningrad and Moscow, October 1983.
48. **High Altitude Physiology Conference**, CSB, Shanghai and Tibet, October 1983.
49. **Expedition to Mount Konger**, CSB, May - June 1983.
50. **A National Priority Conference on Planning, Design and Implementation, Infrastructure Rehabilitation**, Metropolitan Association of Urban Designers and Environmental Planners, Orlando, 1983; San Francisco, 1984.
51. **International Breast Cancer Conference**, CSB, Beijing, April 1984.
52. **International Acupuncture Conference**, CSB, Shanghai, 1984.
53. **Implementing Regional Mobility Solutions**, American Society of Civil Engineers, Secaucus, New Jersey, May 1991.
54. **Doing Business in Russia**, US-NIS Chamber of Commerce and Industry, New York, May 1992.
55. **Doing Business in Russia**, US-NIS Chamber of Commerce and Industry, Moscow, St. Petersburg, February 1993.
56. **Education and Training Needs**, Intelligent Transportation Society of America, Education and Training Workshop, Reston, VA, June 1995.
57. **Global Intermodalism and Economic Development**, Fourth Annual Intermodal Seminar, National Aviation and Transportation Center, Shirley, NY, July 1995.
58. **National Aviation and Transportation Center Annual Intermodal Conference**, Bordeaux, France, June 1996.
59. **National Aviation and Transportation Center Annual Intermodal Conference**, Mexico City, Mexico, 1997.
60. **National Aviation and Transportation Center Annual Intermodal Conference**, Sao Paulo, Brazil, 1998.
61. **Institute of Transportation Engineers, Annual Meeting**, Las Vegas, NV, 1999.
62. **Intelligent Transportation Society of America, Proposed World Meeting**, New York City.
63. **Urban Transportation Education: Innovation and Challenges**, American Society of Civil Engineers, Urban Transportation Group, Education Committee, Transportation Congress, 2002, Cancelled.

Carl Berkowitz, Ph.D. PE, 3.12.23

64. Integrated Transit Facilities Planning-Deign-Management, Chair, Florida Institute of Technology, Passenger Terminal World, Fall, 2007.