



**Fadi A. Karaa Ph.D**

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## Biography

Dr. Fadi A. Karaa has a 33-year career combining academia with strategic management and systems consulting. He has led a range of research and development projects in critical infrastructure and analytical enterprise applications systems development, utility infrastructure integrated models and strategies, and large-scale project management systems. He developed decision support and expert systems for capital improvement planning, strategic sourcing and integrated risk and resilience modeling.

Dr. Karaa has developed and led graduate programs and taught graduate and undergraduate courses at NJIT, Northeastern University, MIT and Tufts University. His past executive experiences include serving as Vice President for Oracle Corporation, where he led a national enterprise systems and data warehousing practice for the Industrial Sector, designing and implementing enterprise solutions for Fortune 100 companies.

Dr. Karaa received his PhD in Civil Engineering (Water Resource Systems), MS in Management (Finance and MIS) and MS in Civil Engineering Systems all from MIT; he was awarded an Engineer Diploma from Ecole Polytechnique, Paris.

## Peer-reviewed Journals

### International

- ASCE Journals of Pipeline Systems, Water Resources Planning and management, Professional Issues in Engineering, Management in Engineering, Performance of Constructed Facilities, Construction Engineering and Management, the Journal of Applied Mathematics and computation, PMI Journal and other project management and professional journals

## Peer-reviewed Conference Proceedings

### Regional

- NJAFPM

### International

- ASCE Conferences, Construction Congress, Transportation Board, PMI, The Infrastructure Security Partnership

## Specialized Reports

### Regional

- MWRA, NJDOT, MBTA

**International**

- World Bank, US Army Corps of Engineers, UTRC, NSF

**Esteemed indicators**

Past Board Member, Axxis, Inc., past Chairman and Member of ASCE Infrastructure and Engineering Management Committees, Arthur T. Ippen Award, MIT.