

About the Author

Victor Saouma :- Victor E. Saouma is a professor of civil engineering at the University of Colorado Boulder . He joined the department in 1984 where he teaches courses in structural analysis. He is currently president of the International Association of Fracture Mechanics for Concrete and Concrete Structures (IA-FraMCoS) and was formerly the director of the University of Colorado Fast Hybrid Testing Laboratory which is part of the George E. Brown, Jr. Network for Earthquake Engineering Simulation. Over the years his research interests have varied but are always driven by a desire to apply first principles toward the solution of engineering problems. This has included innovative experimental work such as centrifuge/shake table tests of dams and real time hybrid simulation of reinforced concrete frames, as well as development of constitutive models, development of nonlinear finite element codes, modeling of concrete. His research has primarily been funded by EPRI (Electric Power Research Company), TEPCO (Tokyo Electric Power Company), and government agencies such as the National Science Foundation and the Oak Ridge National Laboratory. As a consultant, his work has involved the seismic safety of very high arch dams, delamination in nuclear power plants, and AAR induced damage in infrastructures. He has over eighty peer-reviewed journal articles.