

**John M. Coil, SE**, is the founder and principal engineer of John Coil Associates, Inc, which was formed in 1972 and the firm was in continuous operation until the firm merged with the inter-national firm of Thornton-Tomasetti Engineers in 1999. In 2004, Mr. Coil became a senior consultant to the Thornton Tomasetti Firm and reinstated the John Coil Associates Firm. Prior to the founding of John Coil Associates, Mr. Coil was associated with several engineering firms gaining 11 years of experience in building design, materials testing, construction inspection, building materials research, land surveying, aerial mapping, heavy construction, street, sewer, storm drain design and geotechnical engineering. He received his higher education at the University of California, Berkeley where he received his Bachelors and Masters Degrees in Civil and Structural Engineering. Mr. Coil has taught structural design classes at California State University, Fullerton; University of California, Irvine; and California Polytechnic University, Pomona where he is currently on the part time faculty.



Throughout his 45 plus years practicing structural engineering he has presented seminars, and lectures to practicing engineers on various aspects of structural design and structural material performance. He is the past president of the Structural Engineers Association of California and of the Applied Technology Council. He has been an active member of several other professional organizations having served as an officer or on the board of directors. He has participated as a contributor or served on the steering committee of several major government sponsored earthquake related research projects.

**Orhan Gurbuz, PhD, PE**, is a Bechtel Fellow and has over 35 years of experience in structural and earthquake engineering who is an advisor to senior management on technology issues and represents Bechtel in technical societies and at industry associations. At the same time, Dr. Gurbuz is a Senior Principle Engineer, specializing in structural engineering and seismic issues. He provides support to various projects and performs design reviews and independent peer reviews. The work includes development of design criteria, seismic evaluations, structural evaluations and investigations, technical review and approval of design, serving as Independent Peer Reviewer for special projects, investigation and resolution of design and construction issues, and supervision of special analyses. Projects include:



- Design and technical review of nuclear projects in USA and worldwide
- Seismic re-analysis, assessment of design criteria and safety evaluation for nuclear plants
- Structural audit support of several nuclear power plants
- Development of design criteria and performing Independent Peer Review of DOE projects, including national laboratory facilities, nuclear waste treatment, and nuclear material storage facilities
- Development of seismic criteria, risk assessment and vulnerability studies for petrochemical facilities
- Development of design guides and training courses on structural and seismic design

Dr. Gurbuz is a member of the ASCE DANS Committee which has the responsibility of maintaining ASCE 4 and ASCE 43-05 standards. These standards are performance-based, targeting a non-exceedance probability as a function of specified performance criteria. He is also a member of the ACI 349 Committee which has jurisdiction over the nuclear safety-related structures. Currently he is working on the next revisions of ASCE 4 and ACI 349 to improve codes and standards.

**Abdoreza Sarvghad-Moghadam (A.S. Moghadam), PhD**, has a BS in Civil Engineering and a MS in Structural Engineering from Tehran University and a PhD in Earthquake Engineering from McMaster University in Canada. He is an assistant professor in International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran. At IIEES, he is also the director of Structural Engineering Research Center and board member of the Center of Excellence on Risk Management.



His main research interest is seismic analysis, design and development of 3D pushover methods for asymmetric structures and his main teaching and professional activities are in the field of seismic vulnerability and retrofitting of existing structures. He is member of committees in charge of developing and updating different building codes in Iran such as “Seismic Design of Buildings,” “Guidelines for Seismic Retrofitting of Existing Structures” and “Guidelines for Rapid Screening of Buildings.”

**Farzad Naeim, PhD, SE, Esq.** is the recipient of the 2007 Fazlur Rahman Khan Medal Award from Council on Tall Buildings and Urban Habitat. This award recognizes excellence in design and research and significant contribution to the design of tall buildings and the built urban environment worldwide. The award also acknowledges his high professional integrity. The past recipients of this award are Leslie E. Robertson (2004), Professor Werner Sobek (2005), and Srinivasa 'Hal' Iyengar (2006).



Farzad is the Vice President and General Counsel at John A. Martin & Associates (JAMA) in Los Angeles. He received his PhD from USC in 1982 and his JD from Concord Law School in 2002. Farzad is a member of California bar as well as a patent attorney. He has served as the vice-president of the Earthquake Engineering Research Institute (EERI) and editor-in-chief of its professional journal – Earthquake Spectra. He currently serves as President-Elect of EERI. Farzad has received numerous prestigious awards including the Outstanding Journal Paper Award from the Los Angeles Tall Buildings Structural Design Council (5 times between 1996-2006) as well as the Outstanding President Award in 1996, and the Structural Engineers Association of California's Superior Structural Engineering Award of Excellence three times. Farzad led the 10-member EERI post-earthquake investigation team to Iran after the Bam earthquake of December 26, 2004 and published the reconnaissance report at the December 2005 Special Issue of Earthquake Spectra. He has authored two widely used textbooks and published over 200 papers in peer-reviewed journals and conference proceedings.

**Rui Pinho, PhD**, is Assistant Professor of Structural Design in the Department of Structural Mechanics at the University of Pavia, Italy, to where he moved in 2001, after having spent several years at Imperial College London, first as a postgraduate researcher and then as a Lecturer of Earthquake Engineering. Dr Pinho is also Head of the Seismic Risk Section at the EUCENTRE (European Centre for Training and Research in Earthquake Engineering, [www.eucentre.it](http://www.eucentre.it)), and Deputy Coordinator of LESSLOSS (Risk Mitigation for Earthquakes and Landslides, [www.lessloss.org](http://www.lessloss.org)), a EU-funded research network involving the participation of almost 50 European universities, research institutions, construction companies and material/components manufacturers. Further, he is Deputy Coordinator of the ROSE School (Centre for Post-Graduate Training and Research in Earthquake Engineering and Engineering Seismology, [www.roseschool.it](http://www.roseschool.it)) and of the MEEES programme (Erasmus Mundus Master's in Earthquake Engineering and Engineering Seismology, [www.meees.org](http://www.meees.org)), a EU-funded Master's programme attracting students from countries worldwide. Dr Pinho is equally co-founder and Technical Director of SeismoSoft (Software Solutions for Earthquake Engineering, [www.seismosoft.com](http://www.seismosoft.com)), which develops freely distributed advanced software packages, used in more than a hundred countries. Finally, Dr. Pinho is author and co-author of over 140 publications, is the recipient of a number of awards, including the 2007 EERI Shah's Prize for Innovation, is peer reviewer and/or editor of several international journals, and has also been involved, as an external consultant, in a number of projects involving seismic assessment and retrofitting of existing structures.



**Carl Sramek, SE**, is a professional consulting Structural Engineer, with professional licenses in 5 states. He has been involved in seismic retrofit and risk analysis for much of his career, and has performed post-earthquake damage assessments following the Whittier, Loma Prieta, Northridge and Nisqually earthquakes, among others. The post-earthquake evaluations have been performed in various capacities, including a FEMA contract, for private engineering firms, and as a volunteer for the California Office of Emergency Services.



Mr. Sramek graduated from California State University, Long Beach in 1971 with a Bachelor of Science in Engineering Degree. He is currently the chair of the Building Code Committee for the Structural Engineers Association of Southern California, having previously served on the Board of Directors for the association. His career has included employment with Bechtel Power Corporation, Holmes & Narver, and EQE Engineering, working on projects as diverse as amusement parks and nuclear power plants. He is currently a free-lance consulting structural engineer.