You are invited to attend a **free** seminar sponsored by the City of Newport Beach

SEISMIC DESIGN OF BUILDINGS:

IMPORTANCE OF SEISMIC GROUND MOTIONS

Instructor: Jorge F. Meneses, Ph.D., P.E., G.E., D.GE, F.ASCE

Jorge F. Meneses has more than 30 years of consulting, project management, research, and teaching experience, in both private industry and research institutions in the field of geotechnical and earthquake engineering. He has written more than 60 technical publications. He is currently a part-time faculty member in the graduate school of San Diego State University. He is the president and founder of the Earthquake Engineering Research Institute (EERI) San Diego Chapter, member of the EERI Board of Directors, California seismic safety commissioner, honorary chair of the SASCE Geo-Institute San Diego Chapter, member of the ASCE 7-16 (Minimum Design Loads for Buildings and Other Structures) and ASCE1 (Geotechnical Analysis, Design, Construction, Inspection and Monitoring of Nuclear Safety-Related Structures) Committees and a Fellow of the American Society of Civil Engineers (ASCE).

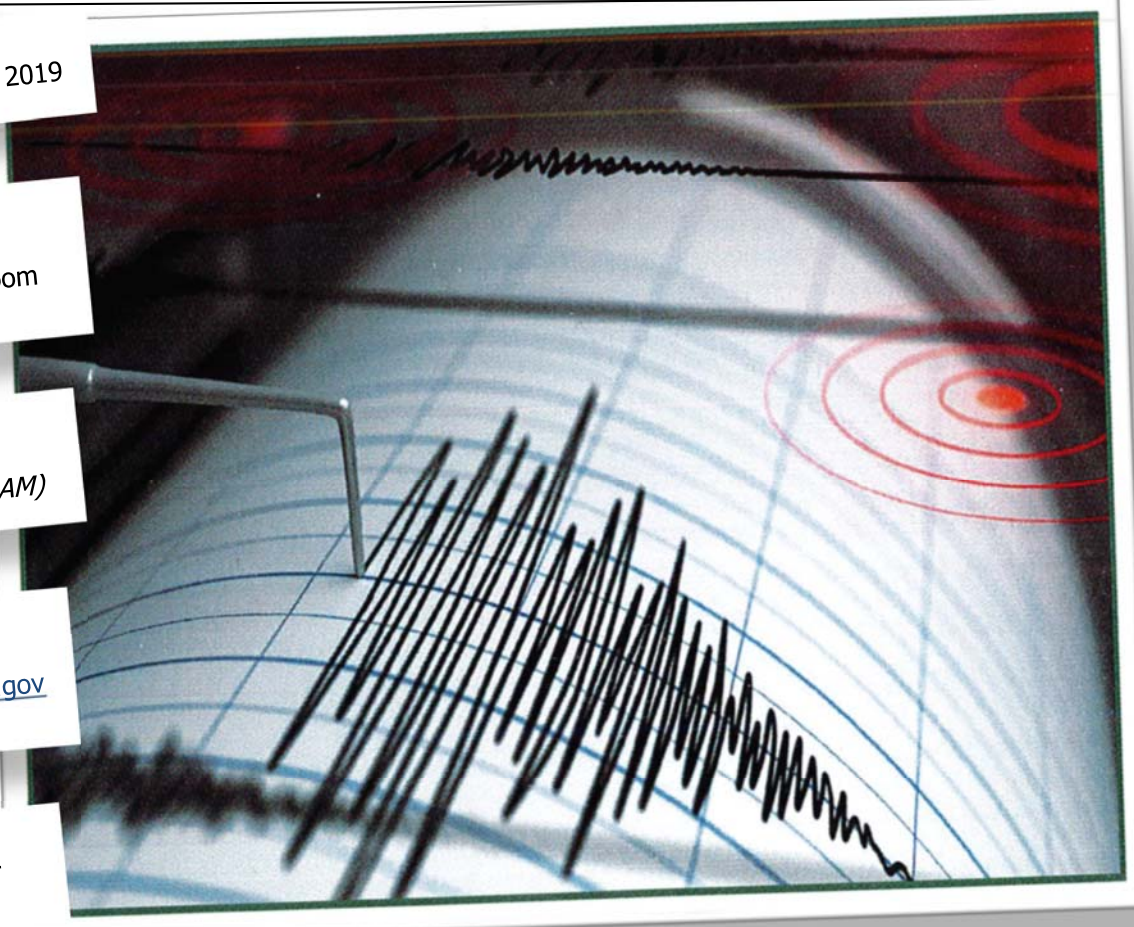
DATE:
Wednesday, November 13, 2019

LOCATION:
City of Newport Beach
Civic Center Community Room
100 Civic Center Drive

TIME:
8:30 AM – 3:30 PM
(Check-in: 8:00 AM - 8:30 AM)

RSVP:
Email Debi Schank at
dschank@newportbeachca.gov
with names of attendees

CEUs:
0.60 ICC Preferred Provider CEU's



AGENDA

Understanding the Effect of Seismic Loads on Buildings

Measuring seismic activity ▪ Quantifying the forces on soils ▪ Foundations and buildings ▪ Strength and stiffness
Strength procedures, allowable stress procedures, performance based procedures ▪ Serviceability and functionality
Seismic force distribution (load path)

Reviewing Applicable Building Codes and Design Guidelines

Seismic design criteria ▪ ASCE 7 seismic provisions

Site-specific Ground Motion Procedures for Seismic Design

Site response ▪ Risk-targeted maximum considered earthquake probabilistic, deterministic, site-specific
Selection of time histories for seismic design

Soil Structure Interaction for Seismic Design

Foundation damping effects ▪ Kinematic interaction effects