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

SOILS AND GEOLOGY FOR FOUNDATION DESIGN

Instructor: Raymond Haddad, M.Sc. P.E, G.E.

This seminar covers soils and geology issues associated with construction development including liquefaction and landslides. Some of the key points that will be discussed:

- Soil classification, shear testing; what do they tell us in terms of design considerations?
- Excavation options: vertical cuts, slot cuts, and shoring, what dictates the excavation option?
- Lateral earth pressure based on the retaining structure allowed movement: active, at-rest, and passive
- Foundation system options: conventional foundation, mat foundation, pile foundation
- Slope failure design considerations for structures on or near slope

DATE: Tuesday, June 25, 2019

TIME: 8:30 a.m. – 12:30 p.m.
(Check in: 8:00 a.m. – 8:30 a.m.)

LOCATION:
City of Newport Beach
Civic Center Community Room
100 Civic Center Drive
Newport Beach, CA 92660

Participants will accrue **0.40 ICC Preferred Provider CEUs**

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

Raymond Haddad, a registered professional engineer (P.E.) and a registered geotechnical engineer (G.E.) holds a master's degree in structural engineering from California State University, Northridge. He is a member of the American Society of Civil Engineers (ASCE), an academic member of California Geotechnical Engineers Association (CalGeo), an academic member in Association of Environmental Engineering and Engineering Geology (AEG). Mr. Haddad is an ICC Soils Special Inspector and a Deputy Grading Inspector. Mr. Haddad is a lecturer at California State University, Northridge, School of Engineering, where he teaches strength of materials, soil mechanics, and geotechnical foundation design. Mr. Haddad has over 19 years of local experience in geotechnical engineering profession with a wide cross-section of residential housing, commercial properties, and luxury homes. Mr. Haddad is the Principal Geotechnical Engineer at Creative Geotechnical, Inc.