



Name: Karlsruud, Kjell **Born: 1946-02-09** **Nationality: Norwegian**

Position: 2000-present Technical Director, Norwegian Geotechnical Institute (NGI)

Acad. degrees: 1969 Msc Geotechnical Eng. Massachusetts Institute of Technology (MIT)

1968 BSc Civil Eng., MIT

Experience: 1991-1999 Division Director, Foundation and Dam Eng.Div., NGI

1988-1991 Division Director, Foundation and Environmental Div., NGI

1984-1988 Division Director, Instrumentation and Field Testing Div., NGI

1979-1984 Head Foundation Section,

1969-1979-Project Engineer, NGI

Has very wide consulting and research experience within Geotechnical Engineering, Foundation Engineering and Natural Hazard Assessment and Mitigation. Has experience from 20 countries around the world.

Has been member of several national and international groups and committees on Geotechnical and Foundation Engineering.

Has been Chairman, Discussion leader, Panel Member and presented papers at many national and international conferences and seminars dealing with Geotechnical Engineering.

Expertise: Deep open excavations using sheet pile walls, diaphragm walls, soil or rock anchoring and internal strutting; Tunnelling in soft ground; Embankments and airfields on soft clay; Ground improvement of soft clays based on vertical drains, vacuum preloading, and deep lime/cement mixing; Pile foundations for buildings, bridges and offshore structures including impact of static, cyclic and earthquake loading; Spread foundations and retaining structures; Dynamic compaction of coarse grained materials; Soil testing and behaviour of soils; Landslide analyses and risk assessment; Ground water control in excavations and tunnelling; Grouting of soils and rock.

Publications: 95 papers for scientific journals or conferences proceedings

Awards: R.Lee.Russel award for outstanding academic achievements, MIT, 1969

With particular reference to lectures to be given on Design of Deep Excavations in Soft Clay, Mr. Karlsruud has been responsible for such design work throughout his career, including excavations for metro, railway and road tunnels in Norway, Taipei, and Gothenburg; and for design of deep basement structures in Norway, Singapore and Bangkok. He has published 18 papers on this topic.