

Ilkka Vähäaho

M.Sc. (Tech.), entrepreneur

Born: December 4, 1954



I have always been interested in learning new things, finding creative solutions, and taking on challenges that have clearly not been anyone's responsibility.

Experience

December 1, 2022 - current

CEO Alef Geo-Consulting Oy

Expertise in specific issues related to ground, bedrock, groundwater, and sea water. The expertise is based on 45 years of experience in the service of the City of Helsinki and ongoing national and international projects.

City of Helsinki Geotechnical Department Head of Department

August 1, 1977 – November 30, 2022

Geotechnical Engineer > Office Manager > Deputy Head of Department

May 1, 1979 – July 31, 1997

Secondary occupations and positions of trust

Helsinki University of Technology, Civil Engineering Department

- Part-time Lecturer, 1981-1982

Association of Finnish Civil Engineers RIL

- Secretary/Member of Foundation Engineering Committee, 1981-1988

- Editor of Foundation Engineering Handbook, 1983-1986

- Member of Research and Development Committee, 1999-2004

City of Helsinki

- Civil Defence Chief, South-Eastern District, 1996-2010

European Cooperation in Science and Technology, COST Action C7, Soil-structure interaction

- Member of Geotechnical and Geo-Environmental Engineering for Urban Planning, 1999-2002

European Committee for Standardization, CEN/TC 288

- Member of Working Group 10, Deep Soil Mixing, 2000-2005

Specialist in National Standards

- Member, Street Constructions Instructions, KATU 2002, 1999-2003

- Chairman, NATIONAL BUILDING CODE OF FINLAND, RakMK B3, 2001-2002

- Member of Instructions in Geotechnical Engineering RIL 121, 2003-2004

- Chairman, Hard Rock Tunnel Grouting Instructions BY 53, 2005-2006

Fise Ltd (Qualification of Professionals in Building, HVAC, and Real Estate Sector in Finland)

- Board member, 2002-2011

Finnish Geotechnical Society SGY

- President, 2003-2006

- Chairman of Deep Mixing Committee, 2000-2006

- Chairman of Ground Improvement Committee, 2007-2019

Finnish Tunnelling Association MTR-FTA

- Vice President, 2004-2012

- Chairman of the World Tunnel Congress 2011 Advisory Committee, 2009-2011

- Chairman of the Finnish Tunnelling Association International Activity Group, 2012-2015

International Tunnelling Association ITA

- Member of Working Group 6, Maintenance and Repair, 2004-2007

- Member of Working Group 11, Immersed and Floating Tunnels, 2007-

- Member of Working Group 20, Urban Problems – Underground Solutions, 2004-2011

- Steering Board Member of ITA Committee on Underground Space ITACUS, 2008-2015

- Member of the World Congress 2024 Scientific Committee, 2022-2024

Associated research Centers for the Urban Underground Space ACUUS

- Member of the World Conferences of ACUUS 2012 and 2014 Scientific Committee

- Chairman of the World Conferences of ACUUS 2020 Scientific Committee

Education

1974–1979

M.Sc. (Tech.)

Helsinki University of Technology,

Department of Civil Engineering, Espoo

Skills

- Use, safety, and economy of underground space
- Soil and bedrock data
- Geothermal energy
- Sufficiency of geothermal energy
- Underground thermal energy storage
- Seismic risk control
- Specific issues in geotechnical engineering
- Questions on groundwater
- Sea level rise - how to prepare for it

Contact details

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ResearchGate

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