DEFINITIONS

Geotechnical Engineering

It is the science that explains mechanics of soil and rock and its applications to the development of human kind. It includes, without being limited to, the analysis, design and construction of foundations, slopes, retaining structures, embankments, roadways, tunnels, levees, wharves, landfills and other systems that are made of or are supported by soil or rock. (retrieved January 11, 2019 http://www.whatisgeotech.org/)

Geotechnics is an engineering discipline that deals with soil and rock behaviour in an engineering perspective. It also involves assessing slope stability and the risk of landslides, rock fall and avalanches. See also the link to a film on geotechnical engineering on the International Society for Soil Mechanics and Geotechnical Engineering's (ISSMGE) website, with an accompanying description of the discipline. (Retrieved January 11, 2019 https://www.ngi.no/eng/Careers/What-is-Geotechnical-engineering)

BOOKS located at the Circulation Section 3rd floor

SFJ Bldg


ELECTRONIC JOURNAL
Accessible thru HAU library Webpage
EBSCO

- Geotechnical Engineering Slope Monitoring Based on


ELECTRONIC BOOKS
Accessible thru HAU library Webpage
EBSCO

- Schweckendiek, Timo (2015) *Geotechnical Safety and Risk V*
- Williams, David B. (2015) *Too High and Too Steep : Reshaping Seattle’s Topography*

INTERNET RESOURCES

**Geotechnical Info.Com**

It is intended to enhance the development of professional and in-training geotechnical engineers. This is the most comprehensive and informative geotechnical engineering website, and very useful for all civil engineers and students. On this website, you will find the most comprehensive geotechnical glossary, over 50 free publications to download, information about numerous other publications, software information, equations, theories, detailed calculations, typical soil properties, example problems and much more. This is all available and easy to find for each individual technical category provided on the right hand side of this page.

**Geotechnical directory**

It offers a wide range of geotechnical services including numerical analysis in 2D and 3D. The Most comprehensive Geotechnical engineering directory on the web.

**WGeotech**

This website (www.ejge.com) contains tens of thousands of files organized in three areas: GVL The Geotechnical Virtual Library ; iGEM The Internet Geotechnical Engineering Magazine - contains articles on the lighter side of geotechs ; EJGE The Electronic Journal of Geotechnical Engineering - contains full size technical papers on recent research studies by geotechs around the world.