

## **Geotechnical Engineering Seminar**

Date: Thursday, January 17, 2008  
Venue: SEB-122  
Time: 1:30 – 2:30 p.m.

Special Guest Lecture by:

Dr. Goran Sällfors  
Chalmers University of Technology  
Göteborg, Sweden

### **TOPIC:**

“Advanced Research on Soft Clay Behavior - Important in many Large Infra Structure Projects”

### **BIO:**

Dr. Göran Sällfors is Professor and Head of Geotechnical Research Group at Chalmers University in Göteborg, Sweden. He received his Master of Civil Engineering from Lunds Tekniska Högskola in 1971, his Doctor of Science from Chalmers University of Technology in 1975 and his Docent in Geotechnical Department at Chalmers University of Technology in 1980. He is a member of numerous national and international Committees in geotechnical engineering and has participated in many European and International Conferences as a key speaker and state-of-the-art reporter at more than 10 conferences. He is the author of over 100 papers, books and reports. He has held visiting appointments at Duke University, Purdue University, North Carolina State University, and University of Florida. He has served as a consultant on many large projects in Sweden and abroad over the past 30 years. His primary research interests are in soft clay behavior, settlement, slope stability, soil improvement and foundation engineering.

### **ABSTRACT:**

Deep deposits of soft clay are common in Sweden and pose tremendous challenges to geotechnical engineers. A number of large infra structure projects are being planned or in progress and very rewarding cooperation between industry and the Geotechnical Group at Chalmers are under way. Examples of detailed laboratory testing, as well as full scale testing in the field will be exemplified. Areas discussed, apart from stress-strain characteristics of soft clay, are earth pressure and deformation of sheet pile walls, stability of natural slopes and settlement.