

BeFo



STIFTELSEN BERGTEKNISK FORSKNING
ROCK ENGINEERING RESEARCH FOUNDATION



7th NORDIC GROUTING SYMPOSIUM

**Gothenburg, Sweden 2013
Proceedings**

STIFTELSEN BERGTEKNISK FORSKNING
ROCK ENGINEERING RESEARCH FOUNDATION

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7TH NORDIC GROUTING SYMPOSIUM, GOTHENBURG, 2013

PREFACE

Grouting is a complex work involving scientific knowledge in geology, hydrogeology, mechanics and flow properties of materials as well as appropriate machinery. The development in each field with focus on grouting has reached a fundamental understanding of the technique. To have functional grouting works, all fields must work together! The scientific knowledge must also be put into practice and carried out at site, why skilled staff working in our projects is vital to finally do a good job. The 7th Nordic grouting symposium follows the tradition to spread high quality knowledge within the Nordic countries and beyond. The experts within the field of grouting join together this year in the City of Gothenburg, where it all started in 1992. After this the baton was handed over to Oslo (Norway) 1995, Espoo (Finland) 1998, Stockholm (Sweden) 2001, Trondheim (Norway) 2006, and latest in Helsinki (Finland) 2009.

The symposium consists of up to date knowledge within the areas of research, implementation, demonstration and material science. Both the oral presentations and posters show a large span of where grouting has played a critical role for succeeding within the projects goals.

The work of carrying this year's symposium was managed by the Rock Engineering Research Foundation - BeFo in Sweden together with the Organising & Scientific Committee and Advisory Committee consisting of people strongly involved within their companies to make grouting even more efficient.

We wish that the symposium will lead to fruitful discussions and up-coming ideas. The contributors being authors of articles published within this proceeding are highly acknowledged. Without high-level articles the symposium would not have taken place. A special welcome is directed to the students that have found that the symposium can give them guidance in their work opportunities to come.

Welcome!

Johan Funehag

Member Scientific Committee

Per Tengborg

Symposium Chairman/Research Director BeFo

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