



Mirjam Knutsen

# On Determination of $G_{max}$ by Bender Element and Cross-Hole Testing

Trondheim, June 2014

**NTNU**  
Norwegian University of  
Science and Technology  
Faculty of Engineering  
Science and Technology  
Department of Civil and  
Transport Engineering

Master's thesis

Master's thesis  
Trondheim, 2014

Mirjam Knutsen