



**UNSW**  
THE UNIVERSITY OF NEW SOUTH WALES

## DEPARTMENT OF APPLIED MATHEMATICS APPLIED SEMINAR SERIES 2007

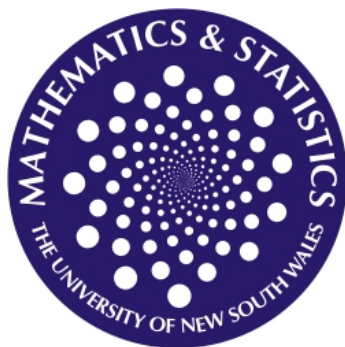
*The Seminar Series of the Department of Applied Mathematics, UNSW, Sydney is dedicated to the announcement, dissemination and discussion of research in mathematics and its applications. A fundamental aim of the Seminar Series is to feature lectures that inform in a manner that makes the subject accessible to the audience, including non-specialists.*

**SPEAKER:** Erik Wahlén, Centre for Mathematical Sciences, Lund University, Lund. Sweden.

**TITLE:** Symmetry of travelling water waves.

**Abstract:** Using sharp maximum principles we show that any travelling water wave with a surface profile which is monotone between trough and crest is symmetric. In the case of irrotational waves this is well-known. We prove that the same result is true for rotational waves.

**TIME AND VENUE:** 11am, Mon 15 October 2007, Room 4082, Red Centre.



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