

Universität zu Köln

Mathematisch- Naturwissenschaftliche Fakultät
Seminar für Mathematik und ihre Didaktik

**Prof. Dr. Marja van den Heuvel-
Panhuizen**

Universität Utrecht
Freudenthal Institute for Science
and Mathematics Education

Research in mathematics education: Following Freudenthal's footsteps

Abstract:

In this lecture I address a number of projects on mathematics education carried out at the Freudenthal Institute. The focus is on (a) using picturebooks to support kindergartners' development of mathematical understanding, (b) revealing mathematical power of special needs students, and (c) conducting textbook analyses to disclose the learning opportunities that textbooks offer. I discuss how these projects are grounded in the foundation-laying work of Freudenthal and his collaborators in the past and how our work will be continued.