

# MME Seminar 2017

## Session 6



### Pre-service teachers' uses of a learning trajectory to notice students' fractional reasoning

*By Mr Pedro Ivars*

**Date:** Wed 13th Sep 2017

**Time:** 3.30 pm to 4.30 pm

**Venue:** MME Journal Rm (NIE7-3-16)

Pedro's PhD research study analyses how a learning trajectory can support pre-service primary teachers' noticing of students' fractional reasoning. Ninety-five pre-service primary school teachers used a learning trajectory to interpret students' fractional reasoning and made instructional decisions. In this seminar, he will present the design of the learning environment, and the analysis and preliminary results of one of the tasks of the learning environment. Findings highlight that the learning trajectory helped pre-service teachers notice students' fractional reasoning but they noticed in different ways. Furthermore, they show that when pre-service primary teachers generated a more detailed mathematical discourse, they proposed more suitable activities considering the students' reasoning.

*Pedro Ivars holds a degree as a primary school teacher as well as an Educational Research Master degree. Presently he is working at the Department of Innovation and Didactical Training at the University of Alicante in Spain where he is studying his PhD. His research interests focus on teacher training, particularly, on pre-service primary school teachers' development of the skill of noticing and the use of learning trajectories in teacher education programs.*

*All are welcome!*