

## MME Seminar 2016\_Session 1



Dr Yeo Boon Wooi Joseph  
Ast/P Chua Boon Liang



Date: 22nd Sep, 2016  
Time: 3.30 to 4.30 pm  
Venue: Journal Room (NIE7-03-16)

### Abstract

#### **Talk 1: The Nature of Processes in Mathematical Investigation**

**Yeo Boon Wooi Joseph** will share a part of his PhD study on the nature of processes in mathematical investigation. He will first discuss the similarities and differences between mathematical investigation and mathematical problem solving. Then he will distinguish between mathematical investigation as a task, a process and an activity. Finally, he will deliberate on a framework to characterise the nature of cognitive processes when students engage in open investigative task. It is beyond the scope of this seminar to dwell on metacognitive processes.

#### **Talk 2: My Experience Teaching MF: A Wish Fulfilled**

**Boon Liang** will share his experience teaching expansion and factorisation using the multiplication frame (MF) method to a class of Sec 2 Normal (Academic) students during a 6-week school attachment stint from end-March to early May 2016. He will then reflect on the teaching and learning of expansion and factorisation in the current algebra syllabus aiming at improving teacher pedagogical performance and student learning experience.

*All are Welcome!*