Mathematics and Mathematics Education
Academic Group
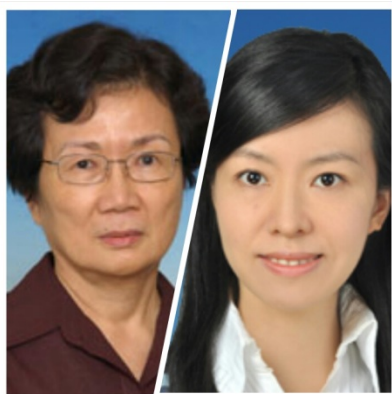
NIE
NATIONAL
INSTITUTE OF
EDUCATION
SINGAPORE

Sharing on four conferences on Mathematics and Mathematics Education

Dr Yeo Kai Kow Joseph
Dr Koay Phong Lee
Asst Prof Zhu Ying
Dr Ng Wee Leng

Date: 1st Oct, 2014
Time: 3.30 to 4.30 pm
Venue: Journal Room (NIE7-03-16)

Abstract

Joseph will present the findings of a preliminary study of the explicit reasoning in the explanations and justifications of two open-ended word problems among 28 Primary 2 pupils from one primary school. He will show examples of the various types of pupils' explanations and justifications.

Phong Lee attended an interesting workshop at the *Children's Mathematical Education conference.* In this seminar, she will share a hands-on activity involving shape cutting that she learnt in that workshop.

Zhu Ying will talk about a discriminant dimension reduction method for image classification. Reducing high-dimensional spectral data to a small number of dimensions is essential to enable the feasibility of a multivariate finite mixture model fitting, especially for use in a real-time image classification to help clinician with a rapid diagnosis of breast cancer. She will also share her experience of attending IMS Asia Pacific Rim meeting.

Wee Leng will share his experience as an invited plenary speaker at the 4th Educational Equipment City Forum on Cooperation and Development in Taiyuan, China. At the conference he presented a review of and reflection on the integration of graphing calculators into the Advanced level mathematics curriculum in Singapore.

All are Welcome!