

COLLOQUIUM

Title:

"Beyond Show and Tell: *Neriage* for Teaching through Problem-Solving - Ideas from Japanese Problem-Solving Approaches for Teaching Mathematics "

Speaker: Prof Akihiko Takahashi from **DePaul University, USA**, who is an expert in Japanese Lesson Study

Date: 31 January 2012 (Tuesday)

Time: 2:30 – 4:30 pm

Venue: SEAMEO Hall/RECSAM Auditorium



Mathematics/science teachers/lecturers are cordially invited. Admission is FREE.

Abstract

Japanese teachers use problem solving as a powerful approach for teaching mathematics. There are several notable characteristics of the Japanese approach to problem solving. One of the characteristics is that Japanese problem solving lessons usually do not end even after each student finds a solution to the problem. Japanese teachers and researchers believe that the heart of the lesson begins *after* students come up with solutions. The teacher facilitates extensive discussion with students, which is called *Neriage* by comparing and highlighting the similarities and differences among students' solutions. In this talk, some of the characteristics of the Japanese approach for teaching mathematics will be discussed by focusing on the heart of the approach, *Neriage*.