

Mathematics Teachers Conference

Theme: Mathematical Literacy

2007

1st June 2007 National Institute of Education 1 Nanyang Walk Singapore



- Jointly organized by:
- Association of Mathematics Educators
 - Mathematics and Mathematics Education AG, National Institute of Education, NTU



Keynote Lectures

- Primary**
- Mathematical Literacy – What, Why and How? by Dr Fong Ho Kheong (Founding President of AME)
 - Relating Literacy to Mathematics Learning by A/P Douglas Edge (MME/NIE)
- Secondary**
- Mathematical Literacy – The Case of Quantitative Reasoning by Dr Liu Yan (CRPP/NIE)
 - Multiple “Literacies” of Representations – The Case of the Model Method and Letter Symbolic Algebra by A/P Ng Swee Fong (MME/NIE)
- Junior College**
- Reading and Writing Mathematics by Dr Tay Eng Guan (MME/NIE)
 - Singapore’s Junior College Students’ Literacy and Competence in Mathematics by Ms Jenny Loong Choo Juan (Balestier Hill Secondary School) & A/P Berinderjeet Kaur (MME/NIE)

Special Lectures

- Guest Speaker** : **Professor Jin Akiyama**
Professor of Mathematics &
Director of the Research Institute of Educational Development
Tokai University
- Lecture Topics** : Junior College – Experience Mathematics
Secondary & Primary – Seven Questions for Mathematics Teachers

Concurrent Workshops (Participants to attend only one)

- Primary**
- P 1 - **Mathematical Literacy Through the Use of Manipulative for Lower Primary** by Dr Cheng Lu Pien (MME/NIE)
 - P 2 - **Learning for Understanding: Some Metacognitive Strategies** by Mr Chan Chun Ming Eric (MME/NIE)
 - P 3 - **How to Help Upper Primary Pupils Develop Mathematical Literacy?** by Ms Chua Kwee Gek (HOD/Mathematics Deyi Secondary School)
 - P 4 - **Talking and Writing Mathematics in the Classroom** by Ms Ho Geok Lan (MME/NIE)
 - P 5 - **Thinker-Doer Paired Problem Solving: A Strategy for Communication in the Mathematics Classroom** by A/P Foong Pui Yee (MME/ NIE)
 - P 6 - **Writing Assessment Items for Mathematical Literacy at the Primary Level** by Dr Jaguthsing Dindyal (MME/NIE)
 - P 7 - **Using Technology to Enhance Mathematics Literacy in the Primary School Curriculum** by Mrs Irene Ong (MME/NIE)
 - P 8 - **Teaching Data Analysis: Some Ideas for Primary Mathematics Classroom** by A/P Koay Phong Lee (MME/NIE)
 - P 9 - **Calculator in the Primary School** by Dr Soon Yee Ping (MATHLODGE)

- Secondary**
- S1 - **What Can Students Learn from Mathematically-Rich Games?** by Mr Joseph Yeo Boon Wooi (MME/NIE)
 - S2 - **Promoting Mathematical Literacy Through Activities in the Lower Secondary Mathematics Classroom** by Dr Yeo Kai Kow Joseph (MME/NIE)
 - S3 - **Data Analysis with IT** by A/P Yap Sook Fwe (MME/NIE)
 - S4 - **Problem Posing Strategies for Secondary Mathematics** by Mr Chua Puay Huat (MME/NIE)
 - S5 - **Great Achievement towards Mathematics Excellence (GAME)!** by Nicole Ng, Shirley Choo, Chang Meng Pat & Lim Bin, (Woodgrove Sec School)
 - S6 - **Developing Higher Order Thinking Skills in Upper Secondary Mathematics Classrooms** by Dr Toh Tin Lam (MME/NIE)
 - S7 - **Mathematical Literacy – The Use of Symbols and Logic** by Mdm Teo Soh Wah (MME/NIE)
 - S8 - **From Model Method to Letter-Symbolic Algebra – Helping Students Make the Move** by A/P Ng Swee Fong (MME/NIE)

Junior College

- J 1 - **Making Statistical Inferences** by Dr Cheang Wai Kwong (MME/NIE)
- J 2 - **"Mathematical Literacy versus Mathematical Etymology"** by Dr Paul M.E. Shutler (MME/NIE)
- J 3 - **Improving Mathematics Literacy with the Graphing Calculator** by Dr Ng Wee Leng (MME/NIE)

Please visit our webpage: <http://math.nie.edu.sg/ame/> for

- abstracts of lectures and workshops
- registration details

You are advised to register early as places are limited.
Registration closes on: Saturday 14th April 2007.