

Cognition, Emotion and Learning: Facilitating students' learning cognitively and affectively to prepare them for the rapid changing 21st century

Progress Report – For July 2018

Overview of IRN:

The IRN was established since 1st May 2015, with Prof Oon Seng Tan from National Institute of Education, Nanyang Technological University, Singapore as the convener and Dr Bee Leng Chua from National Institute of Education, Nanyang Technological University, Singapore as the co-convener for this International Research Network (IRN). The aim of this IRN is to create an international platform for researchers and practitioners to explore and work collaboratively on mediated interventions that would facilitate students' learning cognitively and affectively. To date, the IRN has successfully materialized its outreach activities and plan of actions. The IRN next plans to merge the current state of knowledge and chart research directions for researchers in the cognitive, social-emotional and motivational development of students' learning with an upcoming publication.

Edited book progress:

As a follow up to the WERA-IRN November 2017 Progress Report, an edited book for Cengage Learning Asia Pte Ltd, titled “*Advances in Mediated Learning Experience: Technology, Neuroscience and Socio-pedagogic perspectives*” is currently in good progress. The edited book aims to provide a comprehensive compilation of works that synthesize the most up to date practice and knowledge of MLE and its interventions that would guide practitioners and researchers in the cognitive, social-emotional and motivational development of students' learning. The book is proposed to be categorized into four broad areas:

- i. Focus on cognitive, social-emotional and motivational development of learners for the 21st century;
- ii. Interdisciplinary in approach synthesizing different theories and merging learning with technology, cognitive functioning, neuroscience and brain development, dynamic assessment etc.;
- iii. New instrumentation to enhance and measure MLE for different learning contexts; and
- iv. Application across different stages of learners' development and contexts.

The editors are Prof Oon Seng Tan, Dr Bee Leng Chua and A/P Isabella Yuen Fun Wong (National Institute of Education, Nanyang Technological University).

Contributors for the book include several IRN members such as Dr Bee Leng Chua and A/P Isabella Yuen Fun Wong from Singapore, Professor David Tzuriel from Israel, Professor Carol Robinson-Zanartu and Professor Katherine Greenberg from United States of America. Other prolific chapter contributors include: Professor Adina Shamir and Professor Louis H. Falik from

Israel, Dr Lilian Lomofsky from South Africa, and Dr Iveta Kovalčíková from Slovakia, amongst others. The edited book consists of 15 chapters and is targeted to be completed and published by 2019.

Others:

After the completion of the edited book, a special issue on “*Mediated Learning Experience: Future Trends and Opportunities*” for the Journal of Cognitive Education and Psychology (JCEP) is proposed by members of the IRN. More updates shall be provided in due course.

End of report