

# TABLE OF CONTENTS

<b>WELCOME MESSAGES</b>	<b>Page</b>
♦ Guest of Honour: Ms Low Yen Ling	2
♦ NIE Director: Professor Christine Goh	3
♦ Conference Convenors	4
<b>KEYNOTE SPEAKERS</b>	
♦ Professor John Wang (National Institute of Education, Singapore)	5
♦ Professor Winnie So (Education University of Hong Kong)	6
♦ Dr. Benjamin Cleveland (University of Melbourne, Australia)	7
♦ Dr. Felice Levine (American Education Research Association)	8
♦ Associate Professor Liu Woon Chia (National Institute of Education, Singapore)	9
♦ Professor Christine Goh (National Institute of Education, Singapore)	10
♦ Professor Rebecca Ang (National Institute of Education, Singapore)	11
<b>CONFERENCE SCHEDULE OVERVIEW</b>	
♦ DAY 1: Monday 12 Nov 2018	12
♦ DAY 2: Tuesday 13 Nov 2018	13
♦ DAY 3: Wednesday 14 Nov 2018	14
<b>CONFERENCE PROGRAMME FULL SCHEDULE</b>	
♦ DAY 1: Monday 12 Nov 2018	15
♦ DAY 2: Tuesday 13 Nov 2018	26
♦ DAY 3: Wednesday 14 Nov 2018	31
<b>CONFERENCE FORMATS</b>	38
<b>ERAS-APERA 2018 ORGANISING COMMITTEE</b>	39
<b>SUPPORTING ORGANISATIONS</b>	40
<b>INTERNATIONAL ADVISORY COMMITTEE</b>	41
<b>PANEL OF REVIEWERS</b>	42
<b>SPONSORS &amp; EXHIBITORS</b>	43
<b>WI-FI@NIE SETTINGS FOR WINDOWS AND MAC</b>	44
<b>WIFI: EDUROAM</b>	45
<b>NIE CAMPUS MAP</b>	46
<b>ACKNOWLEDGEMENT</b>	47

## WELCOME MESSAGE: GUEST OF HONOUR



**Ms Low Yen Ling**  
Senior Parliamentary Secretary  
Ministry of Education &  
Ministry of Manpower  
Mayor of South West District  
Singapore

The Educational Research Association of Singapore and the Asia-Pacific Educational Research Association (ERAS-APERA) International Conference 2018 is a collaboration between Asia-Pacific Educational Research Association (APERA), Educational Research Association of Singapore (ERAS) and National Institute of Education (NIE), Singapore. It aims to create a platform for researchers, educators and academics both locally and overseas to discuss and share practices that will benefit and inspire our students.

The conference theme, “Joy of Learning in a Complex World” is timely. Our students need to be prepared and empowered to contribute in an increasingly globalised world. They are no longer passive receivers of information. We want to nurture a new generation of problem-solvers who are challenged and actively engaged in their learning.

Educators, as architects of teaching, lead the charge in designing curriculum, lessons and activities that foster in our students a curiosity, joy and love for learning. As we continue to give them autonomy over their learning processes, we are equipping them with the knowledge, skills and dispositions necessary to be future-ready, lifelong learners.

I thank the organisers for making this conference possible and all the presenters for their valuable time. I wish all participants a fruitful and enriching conference.

## WELCOME MESSAGE: NIE DIRECTOR



**Professor Christine Goh**  
Director  
National Institute of Education  
Nanyang Technological University  
Singapore

It gives me great pleasure to welcome you to the Educational Research Association of Singapore and the Asia-Pacific Educational Research Association (ERAS-APERA) International Conference 2018. This is indeed a wonderful platform for educators, researchers and teachers to come together to collaborate, share and learn from one another. The ERAS-APERA International Conference 2018, co-hosted by NIE, brings together a distinguished panel of keynote speakers who are at the forefront of education and educational research to advance our thinking and practices.

The theme for the conference, 'Joy of Learning in a Complex World', presents the context of today's fast-changing world and the challenge of nurturing future-ready learners. With the advances in technology, the world is witnessing a major transformation in the way decisions are made and work is done. These technologies present an enormous potential for strengthening connectivity among people and improving the efficiency of decision making processes. These new technologies will have an impact on all disciplines, economies and industries, and not least education. It is against this backdrop of an increasingly globalised and connected world that we are delving into various educational issues and challenges.

In particular, this year's conference theme highlights the role that emotions and motivations can play in teaching and learning for both the learners as well as teachers in the 21st-century classroom across all levels. It also brings to the forefront factors that schools and teachers need to pay attention to when creating a learning environment that will help nurture a joy of learning in our learners. This theme also brings to our attention what teachers can do intentionally in their classes to cultivate and nurture this joy learning. Importantly, this theme emphasises the important role learners themselves play in the process of cultivating joy in their own learning. The conference will provide a fertile ground for exchange and co-construction of ideas as we explore this theme deeply and critically. It will generate exciting new possibilities in our quest to encourage in every learner a sense of wonder and curiosity.

I am confident that you will enjoy the conference and find joy in your own learning as you continue to advance the process of educating and inspiring each learner who comes your way.

## WELCOME MESSAGE: CONFERENCE CONVENORS

We extend a warm welcome to all presenters and participants to the ERAS-APERA International Conference 2018, co-hosted by the Educational Research Association of Singapore, the Asia-Pacific Educational Research Association, and the National Institute of Education, Nanyang Technological University, Singapore. We are glad that you are able to join us at the National Institute of Education / Nanyang Technological University, Singapore from 12 to 14 November 2018 for this conference.

The ERAS-APERA International Conference 2018 is the latest instalment of a biennial series of APERA conferences that aims to address the educational challenges typically faced by educators and researchers, and to promote educational research, policymaking and educational practices that benefit our next generation in the new century. ERAS had the honour of hosting the ERAS-APERA International Conference in 2008. After which, the APERA conferences were hosted by the Malaysian Educational Research Association (2010), Australian Association for Research in Education (2012), Hong Kong Educational Research Association (2014) and Taiwan Education Research Association (2016). The ERAS-APERA International Conference 2018 continues the honoured tradition of fostering research collaboration, sharing, learning and networking amongst the international community of educators, researchers and students.

The ERAS-APERA International Conference 2018 will explore the theme, 'Joy of Learning in a Complex World' as well as other educational issues of concern in the 21st century. How do we nurture the joy of learning in our students? What are our beliefs about teaching and the joy of learning?

We hope that you will both share and gain keen insights that are relevant to education. Such international conferences offer opportunities for international networking, advances in educational research and visions for applications to practice. We trust that the ERAS-APERA International Conference 2018 will offer the same benefits for you.

### CONFERENCE CONVENORS

#### **Associate Professor Lim Kam Ming**

President, Educational Research Association of Singapore (ERAS)

#### **Dr Chua Bee Leng**

Vice-President, Educational Research Association of Singapore (ERAS)

#### **Professor Chiou Wen-Bin**

President, Asia-Pacific Educational Research Association (APERA)

## KEYNOTE SPEAKER



**Professor John Wang**

Dean,  
Graduate Studies and Professional Learning  
National Institute of Education  
Nanyang Technological University  
Singapore

## KEYNOTE LECTURE

Monday 12 November 2018 0930 – 1030

### **Building Autonomous Learners: Perspectives from Self-Determination Theory**

What energises and directs the behaviours of students and teachers? This question has been the key in guiding motivational research in education worldwide. Education in Singapore has been shifting away from rote learning, and moving towards incorporating programmes that encourage the independent learning of students. Recognizing the value of nurturing students' joy of learning, the Ministry of Education, Singapore, recognises the necessity for educators to prepare students to be self-directed and lifelong learners. The need to deepen our knowledge of motivation in students grows ever more imperative. This succinctly summarizes the aim of this presentation, which seeks to deconstruct the psychological factors underlying self-regulated learning using wisdom from self-determination theory. The presentation will provide a description of self-determination theory and research evidence in supporting its use in the classroom context. Next, a few key research studies conducted in Singapore will be shared. Finally, key strategies for creating autonomous learners will be presented.

## **KEYNOTE SPEAKER**



### **Professor Winnie So**

Associate Dean, Graduate School  
Director, Centre for Education in  
Environmental Sustainability  
The Education University of Hong Kong

## **KEYNOTE LECTURE**

Monday 12 November 2018 1100 - 1200

### **From STEM Learning to STEM Aspiration**

The presentation focuses on development and research on STEM education. This includes a review of reports and research studies that describe the different aspects of STEM education, particularly with the impact on student learning outcomes, as well as methodologies to assess the impact and participation of students in STEM education. Moreover, challenges on STEM education will be analysed. Finally, research on science aspiration will be discussed to examine how STEM aspiration can be cultivated.

## KEYNOTE SPEAKER



**Dr. Benjamin Cleveland**

Senior Lecturer,  
Faculty of Architecture, Building and  
Planning  
University of Melbourne

## KEYNOTE LECTURE

Tuesday 13 November 2018 0900 - 1000

### **Aspirations for new learning spaces: Making the 'complex' possible**

In a post-industrial world, how can we develop new learning spaces to meet the educational objectives and practices to which we aspire? How might concepts associated with 'complexity', 'emergence' and 'self-organisation' aid our interpretations of 'learning environments' that are concurrently physical, social and cultural? Employing theoretical frameworks derived from the literature on 'complexity theory' and 'complex adaptive systems theory', this keynote will explore the influences of new socio-spatial contexts for learning (i.e. innovative learning environments) on the participation of students and teachers in pedagogical activities. It will be argued that school learning environments, schools and school systems should be considered as 'complex adaptive systems': educational settings that can 'learn' in response to positive feedback loops, supporting dynamic socio-pedagogical cultures of practice that are aligned with the types of learning theories that are currently driving school change.

## KEYNOTE SPEAKER



**Dr. Felice Levine**  
Executive Director  
American Educational Research Association

## KEYNOTE LECTURE

Tuesday 13 November 2018 1000 - 1100

### **Open Science in Education Research - A Worldwide Challenge and Opportunity**

Open science is a concept and movement that is sweeping the world of science and scholarship across fields. It is impelled by the ethic of transparency in research at every stage of the research enterprise and of sharing knowledge and data. Also fundamental to open science is that policy and practice need to be based on evidence and on access to well warranted research. This lecture is situated in the open science and open access movement. Where does the field of education research stand in relationship to this 21st century movement, what are the principles and practices that underlie open science, and what are the implications of new ways of doing and sharing research for education research as a field? Examples will be drawn from fields of education research that have been more engaged in open science practices and from fields of research very early on in thinking about how open science practices could or should reshape their work. The talk will examine these issues from an international context. It will conclude by framing the principles and practices we might articulate and endorse together to build a more robust education science that is trusted, valued, and with the potential for greater impact worldwide.



## KEYNOTE SPEAKER



**Associate Professor Liu Woon Chia**  
Associate Professor,  
Psychological Studies Academic Group  
National Institute of Education  
Nanyang Technological University  
Singapore

## KEYNOTE LECTURE

Tuesday 13 November 2018 1130 - 1230

### **Preparing Teachers for the Changing Future**

We live in an exciting time of relentless change, and unprecedented technological innovations and transformations. In this era, education must evolve from one that is 'content-focused' to one that emphasizes guiding and facilitating inquiry and discovery, as well as identifying and addressing real-world problems. It must prepare our children so that they do not merely survive in the new landscape but invent their future. From this perspective, it is clear that teacher education in this age cannot be about teacher training. It has to be about developing professional leaders in the field of education who assume personal responsibility for continuous learning, reflect and think innovatively about their practice, and inquire and make informed decisions about the learning needs of their students. It is about a long-haul vision to evolve practice so that teachers can become shapers of character, facilitators of learning, architects of learning environment, and leaders of educational change. This address focuses on the significance of having a values-based teacher education that develops aspiring teachers into autonomous thinking teachers, which includes values development that re-envision teacher professionalism, professional practice and inquiry that encourages ownership of learning and crystallization of teacher identity, pedagogical changes to emphasize real-world inquiry and technology-enabled learning, and international practicum and internship to develop multiple perspectives of learning.

## KEYNOTE SPEAKER



**Professor Christine Goh**

Director

National Institute of Education

Nanyang Technological University

Singapore

## KEYNOTE LECTURE

Wednesday 14 November 2018 0900 - 1000

### **Helping Students Discover the Joy of Talk**

How often do we encourage students to talk in class? Do they talk because they are told to do so or do they want to talk because they know that talk can help them learn and develop as a person? In this paper I will discuss the primacy of talk in learning and why it is important that students develop the skills to talk to one another during lessons in constructive and exploratory ways. I will suggest why such kinds of meaningful talk do not occur naturally amongst students even though they may be fluent in the language of instruction. I explain why teachers need to teach students how to talk in ways that can engage them cognitively and affectively, and will focus particularly on students talking in small groups. As many schools and institutions of higher learning today have a sizeable number of students who do not have the language of instruction as a first language, I will also suggest what language teachers can do to prepare second language learners for engagement in the subject classroom. This paper is principled on the concept of oracy (Wilkinson 1965; Barnes 1988), which foregrounds the interrelated roles of speaking and listening in developing language competence and capacity for thinking and learning.

## KEYNOTE SPEAKER



### **Professor Rebecca Ang**

Dean, Academic & Faculty Affairs  
National Institute of Education  
Nanyang Technological University  
Singapore

## KEYNOTE LECTURE

Wednesday 14 November 2018 1000 - 1100

### **Multipronged, Schoolwide approaches for Prevention and Intervention: Child/Adolescent Aggression as a Case in Point**

This presentation will use child/adolescent aggression as an illustration to highlight the importance of adopting multipronged, schoolwide approaches for prevention and intervention. Children and adolescents who struggle with anger and aggression often display faulty thinking and behavioural patterns. This presentation will provide an overview of these problems at the different stages of encoding, interpretation, response generation and decision making. Aggressive behaviour in these children and adolescents often spiral in a downward trajectory towards delinquency and bullying across time. Through this presentation, we will also understand the range of risk factors that are associated with delinquency and bullying. These risk factors - individual, family, school and peer factors - do not operate in isolation and they interact within and across multiple contexts. Therefore, it is crucial to consider programs and interventions that effectively address, prevent and remediate issues of child and adolescent aggression, which are often precursors to delinquency and bullying. Schoolwide prevention and intervention efforts should consider multipronged approaches inclusive of teaching children social problem-solving skills, modifying beliefs supportive of aggression, supplementing skills training with parent training, helping children stay meaningfully connected to school, and strengthening teacher-student relationships.

# ERAS-APERA International Conference 2018

## *Joy of Learning in a Complex World*

### DAY 1 | MONDAY 12 NOVEMBER 2018

0800 - 0900	<b>REGISTRATION</b>	Outside Lecture Theatre 1
0900 - 0930	<b>OPENING CEREMONY</b> Welcome Address by ERAS President Opening Address by Guest of Honour	Lecture Theatre 1
0930 - 1030	<b>KEYNOTE LECTURE 1</b>	Lecture Theatre 1
1030 - 1100	TEA BREAK <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1100 - 1200	<b>KEYNOTE LECTURE 2</b>	Lecture Theatre 1
1200 - 1300	LUNCH <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1300 - 1430	CONCURRENT PAPER PRESENTATIONS (Session 1)	NIE Tutorial Rooms*
1430 - 1450	TEA BREAK <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1450 - 1620	CONCURRENT PAPER PRESENTATIONS (Session 2)	NIE Tutorial Rooms*
1620 - 1630	Transition Break	
1630 - 1800	CONCURRENT PAPER PRESENTATIONS (Session 3)	NIE Tutorial Rooms

\* Refer to the Full Programme Schedule for concurrent paper presentation venue

# ERAS-APERA International Conference 2018

## *Joy of Learning in a Complex World*

### DAY 2 | TUESDAY 13 NOVEMBER 2018

0800 - 0900	<b>REGISTRATION</b>	Secretariat Room TR714
0900 - 1000	<b>KEYNOTE LECTURE 3</b>	Lecture Theatre 1
1000 - 1100	<b>KEYNOTE LECTURE 4</b>	Lecture Theatre 1
1100 - 1130	TEA BREAK <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1130 - 1230	<b>KEYNOTE LECTURE 5</b>	Lecture Theatre 1
1230 - 1330	LUNCH <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1300 - 1430	POSTER PRESENTATIONS	<i>Function Space between Block 2 and 3</i>
1430 - 1600	CONCURRENT PAPER PRESENTATIONS (Session 4)	NIE Tutorial Rooms*
1600 - 1610	Transition Break	
1610 - 1710	Conference side-event <b>MEET THE EDITORS SESSION</b>	U-Connect Block 2, Level 2, Room 01
1830 - 2030	<b>CONFERENCE DINNER</b> <i>Optional Item - Additional Payment</i>	The Tanglin Club 5 Stevens Road

\* Refer to the Full Programme Schedule for concurrent paper presentation venue

# ERAS-APERA International Conference 2018

## *Joy of Learning in a Complex World*

### DAY 3 | WEDNESDAY 14 NOVEMBER 2018

0800 - 0900	<b>REGISTRATION</b>	Secretariat Room TR714
0900 - 1000	<b>KEYNOTE LECTURE 6</b>	Lecture Theatre 1
1000 - 1100	<b>KEYNOTE LECTURE 7</b>	Lecture Theatre 1
1100 - 1200	<b>LUNCH</b> <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1200 - 1330	<b>CONCURRENT PAPER PRESENTATIONS</b> (Session 5)	NIE Tutorial Rooms*
1330 - 1340	<b>Transition Break</b>	
1340 - 1510	<b>CONCURRENT PAPER PRESENTATIONS</b> (Session 6)	NIE Tutorial Rooms*
1510 - 1530	<b>TEA BREAK</b> <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1530 - 1630	<b>Presentation of</b> <b>♦ ERAS Conference Teacher Research Paper Prizes</b> <b>♦ ERPP-APERA Award for Best Paper</b>  <b>Handover of APERA Presidency from TERA to ERAS</b>  <b>Conferment of APERA Fellowships and Awards</b>  <b>Announcement of APERA Conference 2020 &amp; speech by host of APERA Conference 2020</b>  <b>CLOSING CEREMONY</b>	Lecture Theatre 1

\* Refer to the Full Programme Schedule for concurrent paper presentation venue

## ERAS-APERA 2018 | FULL PROGRAMME SCHEDULE

DAY 1   MONDAY 12 NOVEMBER 2018		
0800 - 0900	REGISTRATION	Outside Lecture Theatre 1
0900 - 0930	OPENING CEREMONY Welcome Address by ERAS President Opening Address by Guest of Honour	Lecture Theatre 1
0930 - 1030	KEYNOTE LECTURE 1 <i>Professor John Wang</i> Building Autonomous Learners: Perspectives from Self-Determination Theory	Lecture Theatre 1
1030 - 1100	TEA BREAK <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1100 - 1200	KEYNOTE LECTURE 2 <i>Professor Winnie So</i> From STEM Learning to STEM Aspiration	Lecture Theatre 1
1200 - 1300	LUNCH <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1300 - 1430	DAY 1: CONCURRENT PAPER PRESENTATIONS (Session 1)	
UNDERSTANDING 21ST CENTURY LEARNERS		
Format: Paper Presentations		Tutorial Room 312
Introduction to Tamil Alphabet and Reading in Tamil Language Class - an Overview <i>Seetha Lakshmi (National Institute of Education / Nanyang Technological University), Letchmi Devi Ponnusamy (National Institute of Education / Nanyang Technological University)</i>		
Leveraging Technologies to Enhance Cohesion in E-mail Writing of Malay Language Secondary Students <i>Rita Zarina Mohd Nazeer (Marsiling Secondary School), Norafizah Shariff (Unity Secondary School), Suryani Atan (Ministry of Education, Singapore)</i>		

**UNDERSTANDING 21ST CENTURY LEARNERS**

---

Format: Paper Presentations

Tutorial  
Room 718

‘Aere! ‘Aere! ‘Opara ki mua! Teaching Cook Islands Māori  
to adults in New Zealand

*Joey Domdom (Wellington Institute of Technology), Teremoana MaUa-Hodges*

Growth Mindset, Perception Of Enablers And Intention To Pursue  
Continuous Education Among Working Adults In The Lifelong Learning  
Context

*Vanessa Cai (National Institute of Education / Nanyang Technological University) , Nie  
Youyan (National Institute of Education / Nanyang Technological University), Lee Ai  
Noi (National Institute of Education / Nanyang Technological University)*

Career Counselling for the 21st Century

*Bernard Mackenzie (National Institute of Education / Nanyang Technological  
University)*

---

**CURRICULUM DEVELOPMENT AND PRACTICES**

---

Format: Paper Presentations

Tutorial  
Room 704

A Qualitative Study On An Active Learning Module In High School Physics  
*Joo Liak Ang (Nanyang Girls' High School)*

Examining The Provision Of Socio-Scientific Issues In Secondary School  
Science Curriculum

*Sara El Arbid, Hassan Tairab (UAE University)*

---

**ENHANCING LEARNING THROUGH ASSESSMENT**

---

Format: Paper Presentations

Tutorial  
Room 705

Addressing Secondary Three Students' Difficulties with Compound  
Inequalities

*Shuk Wai Wong (Hua Yi Secondary School)*

Effect of Bite-sized Assessment on Students' Mathematics Achievement  
*Radha Devi Oonnithan (Hai Sing Catholic School)*

Provision - Demand - Stretch: A Theoretical Teaching Framework to  
Transcend to Higher Levels of Learning

*Swee Fong Ng (National Institute of Education / Nanyang Technological University)*

Format: Symposium Sessions

Tutorial  
Room 710

Assessment for Learning (AfL) in East Asia and Singapore Context:  
Perceptions, Policies and Practices

*Hui Yong Tay (National Institute of Education / Nanyang Technological University),  
Wei Shin Leong (National Institute of Education / Nanyang Technological University),  
Haslinda Ismail (National Institute of Education / Nanyang Technological University),  
Kelvin Tan (National Institute of Education / Nanyang Technological University),  
Christopher Deneen (RMIT University)*

---



**LEADING CHANGE FOR THE 21ST CENTURY**

---

Format: Symposium Sessions

Tutorial  
Room 717

Using Effective Learning Experiences in Physics to Develop the 21st Century Competencies and Student Outcomes

*Koh Chee Kiang (Victoria School), Pang Jeng Heng (Victoria School)*

---

Format: Paper Presentations

Tutorial  
Room 719

PBL through ILE Using Affordances of Knowledge Building Tool

*Norman Y Lai (National Institute of Education / Nanyang Technological University), Sri Yahweh Van Ram Jieke (Maximum Wellness)*

Recalibrating the Importance of Test Scores in Learners' Motivation in A New Education Climate

*Shoo Soon Wee (Millennia Institute)*

Secondary School Students' Perceptions towards 'Joy of Learning' in Singapore

*Frances Ess (Mayflower Secondary School), Eng Chiew Quek (Bukit View Sec School), Elaine Tay (Anglo-Chinese Junior College), Kim Lian Margaret Goh (Zhangde Primary School)*

---

**MULTI-DISCIPLINARY LEARNING AND INNOVATION**

---

Format: Paper Presentations

Tutorial  
Room 706

Factors Influencing the Implementation Of E-Learning Techniques into Training Pedagogy

*WanFen Yip (National Council of Social Service), Lydia Pek (National Council of Social Service), Jolee Oh (National Council of Social Service), Victor Goh (National Council of Social Service)*

Benefits of Web Accessibility Principles for Students with and Without Disabilities

*Rachel Dryer (Australian College of Applied Psychology)*

---

**NEW PEDAGOGIES IN TEACHING & LEARNING**

---

**Format: Paper Presentations****Tutorial  
Room 206****Leveraging Thinking Routines to Enrich Classroom Discourse for a Deeper Understanding in Mathematics***Ming Sze Goh (Kheng Cheng School), Priscilla Kek (Kheng Cheng School), Alisa Chua (Kheng Cheng School)***Mediating Primary Students' Mathematical Thinking Through Technology***Caroline Ho (English Language Institute of Singapore), How Lurn Mok (Holy Innocents' Primary School), Irene Lim (St. Andrews Junior School), Ghim Hong Sim (Holy Innocents' Primary School), Nurul Ain Alias (Holy Innocents' Primary School), Muhammad Khairi Bin Hanafi (Holy Innocents' Primary School), Lai Boon Yap (St. Andrews Junior School)***Thinking Maths Together***Oon Hua Wong (Northland Primary School), Cheng Chong (Northland Primary School)*

---

**Format: Paper Presentations****Tutorial  
Room 208****A Critical Reflection on The Use of Discourse Strategies to Open Dialogue in A Chinese EFL Classroom***Ruiguo Cui (National Institute of Education / Nanyang Technological University)***Use of Visible Thinking Routines to Generate Relevant Points for Expository Writing***Nazrul Rashidi Bin Mohd (Academy of Singapore Teachers), Lynn Loy (Pasir Ris Secondary School), Priscilla Tey (Pasir Ris Secondary School)***Using Classroom Talk to Promote Mathematical Learning***Alison Tan (Academy of Singapore Teachers), Mabel Chia (Ahmad Ibrahim Primary School)*

---

**Format: Paper Presentations****Tutorial  
Room 708****Investigating Graduate Students' On-Site and Off-Site Learning Experiences in a Technology-enabled Learning Space***Kenny Lew (National Institute of Education / Nanyang Technological University), Nursahidah Mohamed Ali (National Institute of Education / Nanyang Technological University), Mehervan Singh (National Institute of Education / Nanyang Technological University)***Paths to Joyful Learning: Increasing College Readiness by Mitigating Academic Burnout and Facilitating Community Engagement***Nils Olov Fors (Jönköping University), Carl Johan Odehammar (Jönköping University)***Promoting Enjoyment and Hope in Learning: An Exploratory Intervention Study in Hong Kong University Students***Lan YANG (The Education University of Hong Kong)*

---

---

**1300 - 1430 DAY 1: CONCURRENT PAPER PRESENTATIONS (Session 1)**

---

**TEACHER EDUCATION**

Format: Paper Presentations

Tutorial  
Room  
703

Preparing Preservice Teachers for The Complexities of Teaching and Learning In Diverse Classrooms

*Denise Beutel (Queensland University of Technology), Donna Tangen (Queensland University of Technology)*

Recruiting Pre-Service Teachers as Curriculum Developers: How to Make Teacher Education More Multicultural?

*Seyda Subasi (University of Vienna), Mrs. Seyda Subasi (University of Vienna)*

---

1430 - 1450 TEA BREAK  
*Outside Lecture Theatre 1 &  
Function Space between Block 2 and 3*

---

Function  
Spaces

---

**1450 - 1620 DAY 1: CONCURRENT PAPER PRESENTATIONS (Session 2)**

---

**UNDERSTANDING 21ST CENTURY LEARNERS**

Format: Paper Presentations

Tutorial  
Room 708

Adolescents Co-design Anti-Cyberbullying Lessons: Let's Stand up to Cyberbullies Bullies

*Aileen Chai (National Institute of Education / Nanyang Technological University)*

Investigating Students' Perception Of Social And Learning Support In A Technology Enhanced Learning Environment

*Norman Y Lai (National Institute of Education / Nanyang Technological University)*

The Challenge With Learning And Tackling Socioemotional Issues

*Hani Zohra Muhamad (Dyslexia Association of Singapore)*

---

**CURRICULUM DEVELOPMENT AND PRACTICES**

Format: Paper Presentations

Tutorial  
Room 206

Effect Of Teaching Methods On Dyslexic Students Mastering Chinese Characters In Singapore

*Sandy Shien-Ning Low (Shuqun Primary School)*

Exploring The Effectiveness Of The English Examination Skills Programme On Struggling Non-Dyslexic Learners

*Joanne Tan (Dyslexia Association of Singapore), Emilyn See (Dyslexia Association of Singapore), Edmen Leong (Dyslexia Association of Singapore), Tuty Elfira (Dyslexia Association of Singapore)*

Myskillsfuture Portal: Career Quest For Primary Students

*Krystal Tay (Ministry of Education (Student Development Curriculum Division), Singapore), Hazel Lee (Ministry of Education (Education and Career Guidance), Singapore), Fiona Jour Chuan Pua (Ministry of Education (Education and Career Guidance), Singapore)*

---

1450 - 1620 DAY 1: CONCURRENT PAPER PRESENTATIONS (Session 2)	
<b>CURRICULUM DEVELOPMENT AND PRACTICES</b>	
Format: Paper Presentations	Tutorial Room 208
The Entrepreneurial Mindset in Education and Curriculum <i>Cadence Kaumoana (The University of Auckland)</i>	
Developing Students' Innovation And Enterprise Skills Using Five-Step Student-Led, Learning-centred Approach <i>Chee Teck Phua (Nanyang Polytechnic), Ee May Kan (Nanyang Polytechnic)</i>	
<b>ENHANCING LEARNING THROUGH ASSESSMENT</b>	
Format: Paper Presentations	Tutorial Room 209
Scientific Reasoning of Primary School Children - Construct Validation Using Rasch Modelling <i>Yee Ping Diana Ng (Oxford University Centre for Educational Assessment)</i>	
Stimulation of Executive Function Processes – stimulation potential of Math <i>Iveta Kovalcikova (University of Presov)</i>	
Format: Symposium Sessions	Tutorial Room 704
Feedback to Feedforward5 <i>N Gowri (Innova Junior College)</i>	
<b>LEADING CHANGE FOR THE 21ST CENTURY</b>	
Format: Paper Presentations	Tutorial Room 706
Constructionism in the 21st Century English Classroom: Innovative Assessment Strategies through Technology <i>Damien Marie (Anderson Junior College)</i>	
Digital Formative Assessment - Assessing Student Learning In Real Time <i>Roslee Jalie (Wellington Primary School)</i>	
Format: Symposium Sessions	Tutorial Room 719
Rethinking of An Educational Value System Aiming for The Sustainable Development Of Rural Areas In Japan <i>Yuchiro Hida (Waseda University), Satomi Terasaki (Hosei University), Yui Oki (Aoyama Gakuin University), Daijiro Hida</i>	
<b>MULTI-DISCIPLINARY LEARNING AND INNOVATION</b>	
Format: Paper Presentations	Tutorial Room 710
Walking the City: Developing Critical Spatial Competences Through Literature <i>Angela Chew (Anglo-Chinese School (Independent))</i>	

**NEW DIRECTIONS IN EDUCATIONAL RESEARCH**

---

Format: Paper Presentations

Tutorial  
Room 703

Attitude and Graduation In About Us Texts A Comparison Between  
American And Chinese Universities

*Chaoqun Xie (National Institute of Education / Nanyang Technological University)*

Theory of Action for School as Learning Community in Japan

*Yuta Suzuki (Tokyo Institute of Technology)*

---

**NEW PEDAGOGIES IN TEACHING & LEARNING**

---

Format: Paper Presentations

Tutorial  
Room 312

Using Augmented Reality (AR) In Climate Change Education to Support  
Self-Directed Learning

*Chew Hung Chang (National Institute of Education / Nanyang Technological University)*

What's So Difficult About Leading Reading Comprehension Discussions?

*Rita Elaine Silver (National Institute of Education / Nanyang Technological University),*

*Jessie Png (National Institute of Education / Nanyang Technological University)*

A Meta-Synthesis of Anna Craft's Studies on Factors for Fostering  
Creativity in Schools

*Shirlynne Liaw Sok Ling (Former National Institute of Education / Nanyang Technological University), Ai-Girl Tan (National Institute of Education / Nanyang Technological University)*

---

**NEW PEDAGOGIES IN TEACHING & LEARNING**

---

Format: Symposium Sessions

Tutorial  
Room 717

Multimedia MTVs for Multimodal Digital Storytelling: Epistemic  
Commitments, Consequences, and 'Confound-ances'

*Christopher Pang (Nanyang Polytechnic)*

---

**TEACHER EDUCATION**

---

Format: Paper Presentations

Tutorial  
Room  
710

An Exploration of Motivations of Teachers' Participation in Formal  
Professional Learning

*Im Neo Ho (National Institute of Education / Nanyang Technological University)*

Understanding Motivation and Volition in human development:

Knowledge-Volition-Action

*Chua Tee Teo (National Institute of Education / Nanyang Technological University)*

---

1620 - 1630	Transition Break	
1630 - 1800	DAY 1: CONCURRENT PAPER PRESENTATIONS (Session 3)	
UNDERSTANDING 21ST CENTURY LEARNERS		
Format: Paper Presentations		Tutorial Room 208
A Study of Support for Learners with Disabilities in The US National Park Service - Case Studies of Yosemite National Park and The Statue of Liberty <i>Simon Hayhoe (University of Bath, UK)</i>		
Moving To A Rural Area: Rethinking Of A "Legitimate" Life Career <i>Yuri Nakajima (Nagasaki University)</i>		
The Erasmus Learning Journey - A Reflective View of Experiences of Learning in Study Abroad via the Erasmus Program <i>Natalie Nielsen (Stockholm University)</i>		
Format: Paper Presentations		Tutorial Room 312
Can Diagrams Enhance Communicative Efficiency? Understanding How Diagram Use Affects the Quality of Written Communication of English-as-a-Foreign-Language Students <i>Emmanuel Manalo (Kyoto University), Rachel Dryer (Australian College of Applied Psychology), Ayano Tsuda</i>		
The Perception of the College Students of De La Salle Lipa on the Use of Social Networking Sites (SNS) in the Learning Resource Center <i>Lilian Rabino (De La Salle Lipa)</i>		
CURRICULUM DEVELOPMENT AND PRACTICES		
Format: Paper Presentations		Tutorial Room 704
Empathy, Vulnerability and Otherness: Japan's High School Students on Human Rights and Inclusiveness <i>Thomas Meyer (University of Oxford)</i>		
Weaving Passions, Interests And Needs In Fostering The Joy Of Learning: A Provocation To Expand New Possibilities <i>Hanin Hussain (National Institute of Education / Nanyang Technological University)</i>		

1630 - 1800 DAY 1: CONCURRENT PAPER PRESENTATIONS (Session 3)	
<b>CURRICULUM DEVELOPMENT AND PRACTICES</b>	
Format: Paper Presentations	Tutorial Room 717
Sustaining Students' Interest in Science Education <i>Long James (Punggol Green Primary School)</i>	
The Use of Self-Regulated Strategy Development Instruction to Promote Writing Fluency <i>Rachel Lee (Fuhua Primary School), YingTing Foo (Fuhua Primary School), Sarah Harbachan (Fuhua Primary School)</i>	
Using ICT as a Scaffolding Tool to Improve Inventiveness in Writing Among High Progress Students <i>Dianaros AB Majid (St Stephen's School)</i>	
<b>ENHANCING LEARNING THROUGH ASSESSMENT</b>	
Format: Paper Presentations	Tutorial Room 705
Human Resource Development and Its Skill Up in Medical Equipment Management in Developing Countries <i>Emiko Asai (Fujita Health University, Graduate School of Health Science), Ren Kanehira (Fujita Health University, School of Health Science)</i>	
Improving the Efficacy of Feedback - Insights from The OODA Loop And Kanban <i>Ziyang Chen (Ministry of Education, Singapore)</i>	
Investigating the Usefulness of Facebook For Formative Assessment <i>Sri Yahweh Van Ram Jieke (Maximum Wellness)</i>	
<b>LEADING CHANGE FOR THE 21ST CENTURY</b>	
Format: Symposium Sessions	Tutorial Room 209
Culture and Context: A Rasch Investigation of Cultural Work Values of School Leaders and Teachers in Singapore Schools <i>Hairon Salleh, Jonathan Goh (National Institute of Education / Nanyang Technological University), Simon Lim (National Institute of Education / Nanyang Technological University)</i>	
Enablers and Obstacles to Teacher Leadership in Public Schools In The Philippines <i>Carmela Oracion (Ateneo de Manila University)</i>	
Perception on Learning for Leadership Development of Middle Managers <i>Pek Lan Choong (National Institute of Education / Nanyang Technological University), Kunawathyammal Kaliannan (National Institute of Education / Nanyang Technological University)</i>	
Format: Symposium Sessions	Tutorial Room 706
Introducing The Joy of Learning In A World Of Diversities <i>Margaret Funke Omidire (University of Pretoria), Ruth Aluko (University of Pretoria), Motlalepule Ruth Mampane (University of Pretoria)</i>	

**LEADING CHANGE FOR THE 21ST CENTURY**

Format: Paper Presentations

Tutorial  
Room 710

Political Awareness Entrench Political Equity and Equality

*Sasikala Velpandian (Manonmaniam Sundaranar University, India), S.Francisca*

Student Leadership Supporting Student Learning Communities in in Higher Education

*Hairon Salleh (National Institute of Education / Nanyang Technological University),**Soon How Loh (National Institute of Education / Nanyang Technological University)***NEW PEDAGOGIES IN TEACHING & LEARNING**

Format: Paper Presentations

Tutorial  
Room 206

Design of the Teaching Portfolio Assignment to Promote Self-Directed Learning and Professional Identity Development Through Reflective Practice

*Chin Pei Tan (Ngee Ann Polytechnic), Beatrice Tan (Ngee Ann Polytechnic)*

Determinants of Students' Perceived Enjoyment of Mobile Learning with Gamification

*David Kwok (Republic Polytechnic), Boon Khing Song (Republic Polytechnic)*

Format: Paper Presentations

Tutorial  
Room 708

Does Flip Teaching Influence High School Students' Achievement and Interest in Physics?

*Ligi Moses (Manonmaniam Sundaranar University, Tirunelveli (Research Scholar))*

Engaging Learning, Joyful Learners @ Flipgrid Classroom

*Sabrina Samsuri (National Institute of Education / Nanyang Technological University),**Jumilah Ahmad (National Institute of Education / Nanyang Technological University),**Salina Hussin (National Institute of Education / Nanyang Technological University),**Elna Hussin (National Institute of Education / Nanyang Technological University),**Syuib Ahmad (National Institute of Education / Nanyang Technological University)*

Increasing Understanding of Concepts and Reinforcing Basic Skills in Mathematics Through the Flipped Classroom

*Maria Rosario Antoinette Arespacochaga (Ateneo de Manila University), Vivencio III**Oracion (Ateneo de Manila University)*



## NEW PEDAGOGIES IN TEACHING &amp; LEARNING

Format: Paper Presentations

Tutorial  
Room 719

Engaging High Ability Learners in the English Language Classroom

*Yeo Evelyn (Innova Primary School), Kah-Loong Chue (National Institute of Education / Nanyang Technological University)*

Game Kit to Enhance Literacy Learning in the Learning Support Programme (LSP)

*Evelyn Lim (Ministry of Education (Curriculum Planning and Development Division), Singapore)*

## TEACHER EDUCATION

Format: Paper Presentations

Tutorial  
Room  
703

Authoritative Or Democratic Moral Education?: Research On A Formative Intervention To Promote Teachers' Expansive Learning

*Katsuhiko Yamazumi (Kansai University)*

Women Teacher Empowerment and Institutional Effectiveness — An Exploratory Study

*Swarnalata Das (Gauhati University, Assam, India)*

Preservice Teacher Resilience: The Reciprocal Influences of Professional Experience Contexts

*Denise Beutel (Queensland University of Technology), Leanne Crosswell (Queensland University of Technology)*

Format: Symposium Sessions

Tutorial  
Room  
718

Pedagogies Adopted by Competent Secondary School Mathematics Teachers

*Yeo Kai Kow Joseph (National Institute of Education / Nanyang Technological University), Dawn Ng (National Institute of Education / Nanyang Technological University), Ngan Hoe Lee (National Institute of Education / Nanyang Technological University)*

## ERAS-APERA 2018 | FULL PROGRAMME SCHEDULE

### DAY 2 | TUESDAY 13 NOVEMBER 2018

0800 - 0900	<b>REGISTRATION</b>	Secretariat Room TR714
0900 - 1000	<b>KEYNOTE LECTURE 3</b> <b><i>Dr. Benjamin Cleveland</i></b> Aspirations for new learning spaces: Making the 'complex' possible	Lecture Theatre 1
1000 - 1100	<b>KEYNOTE LECTURE 4</b> <b><i>Dr. Felice Levine</i></b> Open Science in Education Research - A Worldwide Challenge and Opportunity	Lecture Theatre 1
1100 - 1130	<b>TEA BREAK</b> <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1130 - 1230	<b>KEYNOTE LECTURE 5</b> <b><i>Associate Professor Liu Woon Chia</i></b> Preparing Teachers for the Changing Future	Lecture Theatre 1
1230 - 1330	<b>LUNCH</b> <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
1300 - 1430	<b>DAY 2: POSTER PRESENTATIONS</b>	
<p>Taught Globally, Dream Locally: Dilemma of Japanese Student Facing Globalization Yasuhiko Kimura (Waseda University), Woohyang Chloe Sim (Waseda University), Momoko Yamamoto (Waseda University)</p> <p>Research Trend Analysis of Korea Children and Youth Panel Survey Data from 2011 to 2017 <i>Su Ji Shin (Chungnam National University), Eun Young Son (Chungnam National University), Ha Ni Kim, Su Jin Kim</i></p> <p>Teacher Research: Impact on Classroom Practice <i>Masturah Abdul Aziz (Raffles Girls' School (Secondary)), Yen Chuan Tan (Raffles Girls' School (Secondary)), Azahar Noor (Raffles Girls' School (Secondary))</i></p> <p>The Effects of Attachment to Mother and Psychological Independence from Mother on Career Congruence of High School Students <i>Su Ji Shin (Chungnam National University), Eun Young Son (Chungnam National University), Jin Hee Son, Hyo Kyoung Lee</i></p> <p>The Power Of Teacher Feedback In Education: A Perspective Of Testing The Links Between Chinese Students' Feedback Beliefs And Achievement Emotions <i>Lan Yang (The Education University of Hong Kong)</i></p>		<p><i>Function Space between Block 2 and 3</i></p>

Industry & Higher Education Collaboration In Singapore's Sport Management Diploma  
*Allen Goh (Republic Polytechnic)*

*Function Space between Block 2 and 3*

Impact of Concept Mapping Strategy on Secondary School Students' Critical Thinking, Self-Regulation and Mathematics Problem Solving Performance  
*Kenny Lew (National Institute of Education, Nanyang Technological University), Choon Lang Gwendoline Quek (National Institute of Education / Nanyang Technological University)*

Blended Learning in ELIS's Professional Learning Programmes: Does It Work?  
*Joy Yap (Academy of Singapore Teachers), Wilson Sim (English Language Institute of Singapore)*

Addressing Secondary Three Students' Difficulties with Compound Inequalities (Poster)  
*Shuk Wai Wong (Hua Yi Secondary School)*

Case-Based and Experiential Learning: Engaging Pharmaceutical Sciences Students in Pharmacotherapy  
*Wei Xiu Sung (Nanyang Polytechnic), Annie Ng (Nanyang Polytechnic)*

Case-Based Vs Lecture Based Instruction Method in Optometry. A Four-Year Perspective.  
*Sumasri Kallakuri (Singapore Polytechnic), Li Li Tan (Singapore Polytechnic)*

General Education Teachers Application of Differentiating Instruction for Students in Heterogeneous Classrooms at Dubai Private Elementary Schools  
*Sara Alansari (United Arab Emirates University)*

A Case Study On How To Conduct Lecture On Pharmacy Law Using Peer Learning Activities  
*Annie Ng (Nanyang Polytechnic)*

1430 - 1600 DAY 2: CONCURRENT PAPER PRESENTATIONS (Session 4)	
<b>UNDERSTANDING 21ST CENTURY LEARNERS</b>	
Format: Paper Presentations	Tutorial Room 206
School Engagement Mediates the Association between School Belongingness and Learning Approaches <i>Zheng Li (Beijing Normal University-Hong Kong Baptist University United International College), Libin Yao (Beijing Normal University-Hong Kong Baptist University United International College), Xiaosong Yi (Beijing Normal University-Hong Kong Baptist University United International College)</i>	
Information Literacy of Grade 10 Students in De La Salle Lipa: Perceptions of the Research Process <i>Emelita Sagbang (De La Salle Lipa)</i>	
Format: Paper Presentations	Tutorial Room 706
Understanding the Learner Of 21st Century for Their Learning And Grooming <i>Sushmita Das (Scert, Assam, India)</i>	
Pursuing the Joy of Learning Among Youths Through MENDAKI Youth Space @ ITE <i>Sabrena Abdullah (Yayasan MENDAKI), Fitri Zuraini Abdullah (Yayasan MENDAKI), Dhanira Raihana (Yayasan MENDAKI)</i>	
<b>ENHANCING LEARNING THROUGH ASSESSMENT</b>	
Format: Paper Presentations	Tutorial Room 717
High School Students Who Do Not Study At Home: Sociological Analyses Of PISA Japan Data <i>Yasufumi Yamaguchi (The University Of Tokyo / Japan Society For The Promotion Of Science)</i>	
Study on Undergraduates' Creativity Competencies: An Empirical Analysis of Structural Equation Modeling <i>Amy Shumin Chen (Tatung University)</i>	
Using the AMA Model to Help High-Support Upper Secondary School students Apply Feedback in Humanities <i>Merlin Tan-Lim (Anderson Secondary School), Kwee Theng Tan (Yuan Ching Secondary School), Audrey Chia (Paya Lebar Methodist Girls' School (Secondary)), Zaleela Zakariah (Springfield Secondary School), Lalitha Savathan (Dunearn Secondary School)</i>	
<b>LEADING CHANGE FOR THE 21ST CENTURY</b>	
Format: Paper Presentations	Tutorial Room 204
Reflections on Institutional Changes in Chinese Higher Education System: Based on the Educational Equity <i>Mengjie Han (Graduate School of Education, Dalian University of Technology)</i>	
The Accessible Resources For Cultural Heritage Ecosystems (ARCHES) Project: Initial Observations And Findings From Fieldwork In London & Madrid <i>Simon Hayhoe (University of Bath, UK)</i>	

**LEADING CHANGE FOR THE 21ST CENTURY**

Format: Paper Presentations

Tutorial  
Room 703

Leading Change for the 21st Century

*Bina Baruah (Neims College of Teacher Education, Jorhat, Assam, India)*

What is the Entrepreneurial Mindset and How is it Making a Difference?

*Cadence Kaumoana (The University of Auckland)***MULTI-DISCIPLINARY LEARNING AND INNOVATION**

Format: Symposium Sessions

Tutorial  
Room 718

Innovating Learning Spaces for Future Learning

*Bee-Leng Chua (National Institute of Education / Nanyang Technological University), Benjamin Cleveland (University of Melbourne), Michael Tan (National Institute of Education / Nanyang Technological University), Chin-Ee Loh (National Institute of Education / Nanyang Technological University)***NEW PEDAGOGIES IN TEACHING & LEARNING**

Format: Paper Presentations

Tutorial  
Room 312

How 'Lesson Study' Supports School to create Professional Capital in Practice: Lessons from Japan

*Hiroyuki Kuno (Nagoya University), Toshiya Chichibu (National Institute for Educational Policy Research), Sarkar Arani*

Personality as The Learning Profile in Differentiated Instruction

*Tan Keok Kee (Zhenghua Primary School)*

Implementing the Social-Cognitive and Motivation and Learning Approach on Primary Students' Writing and Their Perceptions of Self-Directed Learning and Collaborative Learning with ICT Tools

*Doris Choy (National Institute of Education / Nanyang Technological University), Yin Ling Cheung (National Institute of Education / Nanyang Technological University)*

Format: Symposium Sessions

Tutorial  
Room 705

Enhancing Students' Intrinsic Motivation: An Evidence Based Approach

*Dennis Sale (Singapore Polytechnic), Mark Wan (Singapore Polytechnic), Sin Moh Cheah (Singapore Polytechnic)*

1430 - 1600 DAY 2: CONCURRENT PAPER PRESENTATIONS (Session 4)		
<b>TEACHER EDUCATION</b>		
Format: Symposium Sessions		Tutorial Room 708
Telehealth Training - A Viable Option for Teacher Training in Behavior Supports for Children with Challenging Behavior <i>Jennifer McComas (University of Minnesota), David Wacker (University of Iowa), Becky Eldridge (Western Michigan University), Denise Rios (Western Michigan University)</i>		
Format: Symposium Sessions		Tutorial Room 715
WERA-IRN Teacher Education Symposium: Learning To Teach Through Teaching In Other Countries: How A Network Of Teacher Preparation Programs Have Designed And Implemented Teaching Practicum Exchanges <i>Tine Sloan (University of California, Santa Barbara, U.S.A.), Søren Iversen Hansen (VIA University College), Carola Mantel (University of Teacher Education Zug), Alexius Chia (National Institute of Education / Nanyang Technological University), Bee-Leng Chua (National Institute of Education / Nanyang Technological University), Esther Kamm (University of Teacher Education Zug)</i>		
Format: Paper Presentations		Tutorial Room 719
Teaching English Composition / English Expository Writing Skills: A Synthesis Of Recent Research <i>Tan Hong Boon (National Institute of Education / Nanyang Technological University), Doris Choy (National Institute of Education / Nanyang Technological University), Yin Ling Cheung (National Institute of Education / Nanyang Technological University)</i>		
Tackling Complexity Through A Systematic Approach Towards Teacher Education <i>Kala S Retna (Victoria University of Wellington)</i>		
Teacher Education in India- Aligning with Contemporary Needs and Trends <i>Veena Kapur (University of Delhi)</i>		
1600 - 1610	Transition Break	
1610 - 1710	Conference side-event <b>MEET THE EDITORS SESSION</b>	U-Connect Block 2, Level 2, Room 01
1830 - 2030	<b>CONFERENCE DINNER</b> <i>Optional Item - Additional Payment</i>	The Tanglin Club 5 Stevens Road

## ERAS-APERA 2018 | FULL PROGRAMME SCHEDULE

### DAY 3 | WEDNESDAY 14 NOVEMBER 2018

0800 - 0900	<b>REGISTRATION</b>	Secretariat Room TR714
0900 - 1000	<b>KEYNOTE LECTURE 6</b> <b><i>Professor Christine Goh</i></b> Helping Students Discover the Joy of Talk	Lecture Theatre 1
1000 - 1100	<b>KEYNOTE LECTURE 7</b> <b><i>Professor Rebecca Ang</i></b> Multipronged, Schoolwide approaches for Prevention and Intervention: Child/Adolescent Aggression as a Case in Point	Lecture Theatre 1
1100 - 1200	<b>LUNCH</b> <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces

### 1200 - 1330 DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 5)

#### UNDERSTANDING 21ST CENTURY LEARNERS

Format: Paper Presentations	Tutorial Room 312
Learning Resource Center Library Services And User Satisfaction: Case Of De La Salle Lipa <i>Maria Chona Chavez (De La Salle Lipa)</i>	
Meta-Analyses of English Language Learners' Self-Efficacy as Related to English Language Proficiency <i>Chuang Wang (University of North Carolina at Charlotte), Ting Sun (University of North Carolina at Charlotte)</i>	

#### CURRICULUM DEVELOPMENT AND PRACTICES

Format: Paper Presentations	Tutorial Room 208
The Effect of Mechanistic Approach in Students' Performance and Perception in Learning Organic Chemistry <i>Pek Ling Lye (Nanyang Polytechnic), Samuel Tan (Nanyang Polytechnic)</i>	

#### LEADING CHANGE FOR THE 21ST CENTURY

Format: Symposium Sessions	Tutorial Room 703
Enhancing Teacher Practice through Inquiry and Collaborative Learning <i>Lilin Choo (Raffles Girls' School (Secondary)), Masturah Abdul Aziz (Raffles Girls' School (Secondary)), Yen Chuan Tan (Raffles Girls' School (Secondary))</i>	

---

**1200 - 1330 DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 5)**

---

**LEADING CHANGE FOR THE 21ST CENTURY**

---

Format: Paper Presentations

Tutorial  
Room 719

Joyful Journey of Learning for Students with Dyslexia

*Viji Ponraj (Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India), B. William Dharma Raja (Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India)*

Retained Primitive Reflexes: Perceptions of Teachers who have used a  
Reflex Integration Programme

*Tessa Grigg (University of Canterbury), Ian Culpan (University of Canterbury), Wendy Fox-Turnbull (University of Waikato)*

---

**NEW DIRECTIONS IN EDUCATIONAL RESEARCH**

---

Format: Paper Presentations

Tutorial  
Room 719

The Role of Motivation in Predicting Youth Developmental Outcomes in  
Students Participating in Co-Curricular Activities in Singapore

*Lynette Tan (National Institute of Education / Nanyang Technological University)*

---

**NEW PEDAGOGIES IN TEACHING & LEARNING**

---

Format: Paper Presentations

Tutorial  
Room 208

Teacher Research: Maximising the Impact on Student Learning through  
Formative Evaluation

*Azahar Noor (Raffles Girls' School (Secondary))*

Teaching Campbell's Experimental Designs for Educational Research: From  
Design Templates to Design Components

*Jo Chih Soh (Singapore University of Social Science)*

---

Format: Symposium Sessions

Tutorial  
Room 210

Tackling the Complexities of Promoting Effective Learning Strategy Use in  
Day-to-day Subject Learning in Japanese Classrooms

*Yuri Uesaka (The University of Tokyo), Emmanuel Manalo (Kyoto University), Mari Fukuda (The University of Tokyo), Eriko Ota (The University of Tokyo / Japan Society for the Promotion of Science)*

---



---

**1200 - 1330 DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 5)**

---

**NEW PEDAGOGIES IN TEACHING & LEARNING**

---

Format: Paper Presentations

Tutorial  
Room 310

To Give is Better Than to Receive: An Dominance Analysis of Wiki-based Recursive Process Writing

*Cheng Gong (Singapore Centre for Chinese Language), Chee Lay Tan (Singapore Centre for Chinese Language), Kay Cheng Soh (Singapore Centre for Chinese Language)*

Using Making Thinking Visible Routines To Improve Reading Comprehension Abilities Of Students Learning Chinese Language As A Second Language

*Ivonne Awyong (Broadrick Secondary School), Wei Wang (Broadrick Secondary School)*

How Purpose Statements And Research Questions Are Formed In Qualitative Second And Foreign Language Teaching And Learning Research: Implications From Current Research Articles

*Akiko Takagi (Aoyama Gakuin University), Hiroko Tojo (University of Miyazaki)*

---

Format: Paper Presentations

Tutorial  
Room 706

Scaffolding Disease Mechanisms through Visualization

*Tai Lee Kian (Nanyang Polytechnic)*

STEM Students' Experience on Project Based Learning in Bangladesh

*Md Shahadat Khan (Islamic University of Technology (IUT))*

Targeting Misconceptions: Socratic Questioning in Chemical Engineering

*Hwey Miin Chian (Nanyang Polytechnic)*

---

**TEACHER EDUCATION**

---

Format: Symposium Sessions

Tutorial  
Room  
206

Initial Teacher Preparation Programme in the National Institute of Education (NIE)

*Bee-Leng Chua (National Institute of Education / Nanyang Technological University), Ee Ling Low (National Institute of Education / Nanyang Technological University), Jia Yi Chow (National Institute of Education / Nanyang Technological University), Alexius Chia (National Institute of Education / Nanyang Technological University), Vivien Huan (National Institute of Education / Nanyang Technological University)*

---

---

**1200 - 1330      DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 5)**

---

**TEACHER EDUCATION**

---

Format: Paper Presentations Tutorial Room

Supporting Teachers' Use of Positive Teacher Language In The Classroom: How To Make It Stick? 209

*Ailsa Goh (National Institute of Education / Nanyang Technological University), Carol Tan (National Institute of Education / Nanyang Technological University), Cher Chong Tan (Academy of Singapore Teachers), Yu Han Lim (National Institute of Education / Nanyang Technological University)*

Singapore Teachers' Perceived Challenges of Adopting Differentiated Instruction

*Tang Heng (National Institute of Education / Nanyang Technological University)*

Hearing Student Teachers' Voice on Student-Centred Learning: A Step Towards the Joy of Learning and Teaching

*Ethan Wong (National Institute of Education / Nanyang Technological University)*

---

Format: Paper Presentations Tutorial Room

Investigating Teachers' Perception and their Intention to use the Student Learning Space in a Singapore School 705

*Sharon Kwan (Anglo-Chinese Junior College), Choon Lang Gwendoline Quek (National Institute of Education / Nanyang Technological University)*

What Makes MOOC Users Persist In Completing Moocs? A Perspective From Network Externalities And Human Factors

*Xinghua Wang (Center for Research and Development in Learning / Nanyang Technological University)*

SOLO, SAMR AND ICAP Integrated For Assessment

*Sri Yahweh Van Ram Jieke (Maximum Wellness)*

---

Format: Symposium Sessions Tutorial Room

Innovative Approaches for Teacher Training in Behavior Supports 710

*David Wacker (University of Iowa), Stephanie Peterson (Western Michigan University), Brenda Bassingthwaite (Center for Disabilities and Development, University of Iowa Stead Family Children's Hospital), Anuradha Dutt (National Institute of Education / Nanyang Technological University)*

---

1330 - 1340      Transition Break

---

---

**1340 - 1510 DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 6)**

---

**UNDERSTANDING 21ST CENTURY LEARNERS**

Format: Paper Presentations

Tutorial  
Room 705

A Meta-Synthesis of Play in Early Childhood for Children with Autism  
*Shee-Hui Tee (National Institute of Education / Nanyang Technological University), Ai-Girl Tan (National Institute of Education / Nanyang Technological University)*

Is My Child Gifted?...: Mapping the Early Steps!!

*Jyoti Sharma (University of Delhi, India)*

---

**CURRICULUM DEVELOPMENT AND PRACTICES**

Format: Paper Presentations

Tutorial  
Room 706

Diversity in Sense-Making of Graphs

*Hui Teng Chia (Singapore Polytechnic)*

Understanding Teachers' Conceptions of the Assessment of Critical Thinking: A Study of Secondary School English Teachers

*Ravinder Mohan Sharma (Bendemeer Secondary School)*

"Citizenship continues to be an argument..." - Negotiating National Education Goals and Developing Students' Critical

*Fatema Anis Hussain (National Institute of Education / Nanyang Technological University)*

---

**LEADING CHANGE FOR THE 21ST CENTURY**

Format: Paper Presentations

Tutorial  
Room 310

Designs Of Educational Institutions Overlook The Space Provided Outside Of Classrooms For Children To Engage In Play And Learning

*Abdul Haniff Bin Abdul Ghani (Fengshan Primary School)*

ICT Instructional Leadership in Skills Training

*Sri Yahweh Van Ram Jieke (Maximum Wellness)*

Format: Symposium Sessions

Tutorial  
Room 703

A Demand-driven Education with Technology-enabled Pedagogy

*Lih Ing Goh (Pearson Education), Kathy Chan (Pearson Education)*

---

**MULTI-DISCIPLINARY LEARNING AND INNOVATION**

Format: Paper Presentations

Tutorial  
Room 211

Exploring Location-based Multimodal Writing with #HighImpactMotivators

*Christopher Pang (Nanyang Polytechnic), Kim Bee Soo (English Language Institute Of Singapore), Jesslyn Lau (National Institute of Education / Nanyang Technological University)*

---

---

**1340 - 1510 DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 6)**

---

**NEW PEDAGOGIES IN TEACHING & LEARNING**

---

Format: Paper Presentations

Tutorial  
Room 206

The Design and Evaluation of Virtual Laboratory Simulations for Biology Non-Majors

*Bina Rai (Singapore University of Technology and Design), Julia Zhu (Singapore University of Technology and Design)*

The Effectiveness of n-Class EGG in Pharmaceutical Science Students

*Annie Ng (Nanyang Polytechnic)*

Use of Information and Communication Technology (ICT) Tool in Peer Analysis and Feedback for Movement Skill

*Bee Yuen Hong (Horizon Primary School), Muhammad Raauuf Othman (Horizon Primary School), Wei Qiang Tay (Horizon Primary School), Rayson Soh (Horizon Primary School), Shihui Zhong (Horizon Primary School), Siti Nurhanis Zamrot (Horizon Primary School)*

---

Format: Paper Presentations

Tutorial  
Room 211

Effects of Meta-Cognitive Learning Strategy Use on Homework: The Importance of Deeper Learning for Self-regulated Learners

*Yuri Uesaka (The University of Tokyo) Eriko Ota (The University of Tokyo / Japan Society for the Promotion of Science), Kana Nishimura, Natalia Suárez Fernández*

What Service-Learning Design and Delivery Considerations Were Associated with Students' Civic Responsibility and Academic Connection?

*Juliet Choo (Ngee Ann Polytechnic), Sangeeta Nair (Ngee Ann Polytechnic)*

---

Format: Paper Presentations

Tutorial  
Room 704

Improving Students' Learning of Chemistry: A Framework to Enhance Teaching at the Three Conceptual Levels of Understanding

*Bing Qin Koh (Pasir Ris Secondary School), Wong Yoke Ung (Woodlands Secondary School)*

Inquiry-Based Science Instruction in the UAE: Practices and Challenges

*Ali Khalfan Al-Naqbi (United Arab Emirates University)*

---

**TEACHER EDUCATION**

---

Format: Symposium Sessions

Tutorial  
Room  
209

A Tripartite Model of Collaborative Professional Learning to Build Metacognitive Learner Strategies in the Teaching and Learning of Reading - A Case Study

*Ngan Hoe Lee (National Institute of Education / Nanyang Technological University), Cedric Leong (Academy of Singapore Teachers)*

---

---

**1340 - 1510      DAY 3: CONCURRENT PAPER PRESENTATIONS (Session 6)**

---

**TEACHER EDUCATION**

---

Format: Paper Presentations	Tutorial Room 312
-----------------------------	-------------------

A Review of Self-concept Research in the past 4 decades - Some Reflections in Lifelong Learning Journey

*Hah Wah Elena Lui (ERAS Life member)*

Student Teachers' Engagement With The Theory-Practice Link In Initial Teacher Education

*Sylvia Yee Fan Tang (The Education University of Hong Kong), Angel Kit Yi Wong (The Education University of Hong Kong), Dora Dong Yu Li (The Education University of Hong Kong), May May Hung Cheng (The Education University of Hong Kong)*

---

1510 - 1530	TEA BREAK <i>Outside Lecture Theatre 1 &amp; Function Space between Block 2 and 3</i>	Function Spaces
-------------	--	-----------------

---

1530 - 1630	Presentation of ♦ <b>ERAS Conference Teacher Research Paper Prizes</b> ♦ <b>ERPP-APERA Award for Best Paper</b>	Lecture Theatre 1
-------------	---	-------------------

**Handover of APERA Presidency from TERA to ERAS**

**Conferment of APERA Fellowships and Awards**

**Announcement of APERA Conference 2020 &  
Speech by host of APERA Conference 2020**

**CLOSING CEREMONY**

---

## CONFERENCE FORMATS

In addition to plenary sessions where keynote speakers will address the whole assembly, concurrent sessions will be organized in the following format:

### **Paper Sessions (1.5 hours)**

Up to three (3) paper presentations will be scheduled per session - 30 minutes per paper inclusive of questions and answers.

### **Symposium Sessions (1.5 hours)**

Up to three (3) paper presentations will be scheduled per session - 30 minutes per paper inclusive of questions and answers.

### **Poster Sessions (1.5 hours)**

The time allocated for each poster presentation session is 90 minutes.

**Language of delivery:** English

### **Paper presentation**

The time allocated for each paper presentation is 30 minutes (including question and answer time). Please plan your presentation according to the 30 minutes allocated. Computers will be provided at the conference venue.

### **Instructions for Session Chairpersons (Paper & Symposium presentations)**

The final presenters for each paper presentation slot will serve as the session chairpersons. The chairpersons for symposiums are appointed by the presenters. To facilitate the smooth delivery of presentations, session chairpersons are requested to make sure that:

1. each session begins on time;
2. each paper presentation is allocated 30 minutes;
3. the entire session/symposium is kept to the allocated 90 minutes time slot; and
4. each session ends on time, with a few concluding remarks from the session chairperson.

### **Poster presentation**

The time allocated for each poster presentation session is 90 minutes. Each poster presenter will have access to a board space that is 1.2 meter (4 feet) wide and 1 meter (3.3 feet) high. Your poster presentation should include:

- Title (typically at the top in letters that are at least 2.5 cm high)
- Authors' names (in letters that are at least 2.5 cm high)
- Abstract
- Introduction
- Methods
- Results of the study
- Discussion
- Pictorial images (e.g., graphs and tables) depicting key results

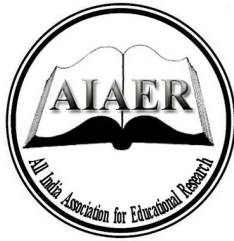
## ERAS-APERA 2018 ORGANISING COMMITTEE

(Names of chairs of sub-committees indicated in bold)

<b>President</b>	Associate Professor Lim Kam Ming
<b>Vice-President</b>	Dr Chua Bee Leng
<b>Treasurer</b>	<b>Associate Professor Eddy Chong</b> Mr Sunny Siteo
<b>Secretariat, Publicity &amp; Website</b>	<b>Assistant Professor Stefanie Chye</b> Ms Berlinda Khu Ms Candy Wu Mr Chris Chua Ms Joey Lim
<b>Scientific</b>	<b>Dr Paul Chua</b> Dr Charles Chew Associate Professor Quek Choon Lang Associate Professor Tan Seng Chee
<b>Programme</b>	<b>Associate Professor Eddy Chong</b> Associate Professor Gregory Arief Liem Dr Jarina Peer
<b>Logistic</b>	<b>Mr Ethan Wong</b> Mr Sunny Siteo
<b>Hospitality &amp; Public Relations</b>	<b>Dr Chue Kah Loong</b> Ms Ek Soo Ben Ms Yvonne Seng
<b>Exhibitions &amp; Sponsorship</b>	<b>Mr Samson Tan</b>

## SUPPORTING ORGANISATIONS

(In alphabetical order)



**Chinese Taipei  
Comparative Education Society**



**CHINESE-TAIPEI  
EDUCATION SOCIETY**





## INTERNATIONAL ADVISORY COMMITTEE

Organizations	Advisors
All India Association for Educational Research (AIAER)	Professor Sunil Behari Mohanty
Australian Association of Research in Education (AARE)	Professor Annette Woods
Chinese-Taipei Education Society (CTES)	Professor Chen Hsiao-Lan Sharon
Chinese Taipei Comparative Education Society (CTCES)	Professor Ying Chan
Hong Kong Educational Research Association (HKERA)	Dr David Sorrell
New Zealand Association of Research in Education (NZARE)	Dr Kirsten Locke
Taiwan Education Research Association (TERA)	Professor Chiou Wen-Bin

## PANEL OF REVIEWERS

<b>Organisations</b>	<b>Reviewers</b>
All India Association for Educational Research (AIAER)	Professor Bhujendra Nath Professor Gauranga Charan Nanda
Australian Association of Research in Education (AARE)	Professor Annette Woods Professor Sue Nichols
Chinese-Taipei Education Society (CTES)	Professor Pei-Ying Chen Associate Professor Tzu-Bin Lin
Chinese Taipei Comparative Education Society (CTCES)	Professor Sheng-Ju Chan Associate Professor Cheng-Cheng Yang
Educational Research Association of Singapore (ERAS)	Associate Professor Gwendoline Quek Associate Professor Nie Youyan Associate Professor Tan Aik Ling Associate Professor Tan Seng Chee Associate Professor Lim Kam Ming Assistant Professor Loh Chin Ee Assistant Professor Stefanie Chye Dr Betsy Ng Dr Charles Chew Dr Christina Ratnam Dr Chue Kah Loong Dr Dennis Kwek Dr Elizabeth Koh Dr Imran Sha'ari Dr Jeanne Ho Dr Jo Ann Shek Dr Lee Shu Shing Dr Mardiana Baker Dr Melvin Chan Dr Samson Tan Dr Tan Chee Soon Dr Tan Kok Siang Dr Tan Liang See Mr Paul Chua Dr Steven Tan Dr Wong Hwei Ming Dr Wu Longkai
Hong Kong Educational Research Association (HKERA)	Professor Alan Cheung Dr Celeste Yuen Mr Gordon Tsui Dr David Sorrell
New Zealand Association of Research in Education (NZARE)	Dr Cheryl Stephens Dr Jeanette Clarkin-Phillips
Taiwan Education Research Association (TERA)	Professor Hsueh-Hua Chuang Dr Hsiao Chi Ho

## SPONSORS & EXHIBITORS

(In alphabetical order)



# Blackboard®



# Pearson

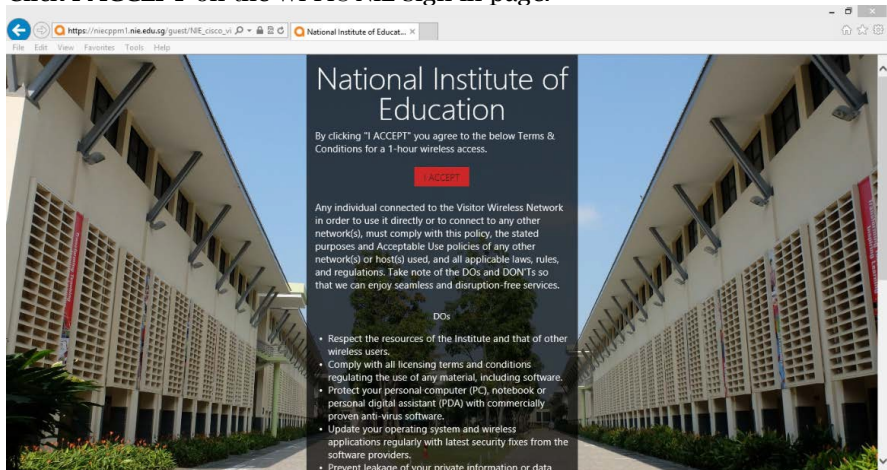


## Wi-Fi@NIE settings for Windows/Mac/Mobile

1. Go to your laptop Wi-Fi setting.
2. Select Wi-Fi@NIE from the detected list of Wi-Fi networks. After this, your internet browser will automatically launch the Wi-Fi@NIE Sign-in page.



3. Click I ACCEPT on the Wi-Fi@NIE Sign-in page.



4. Once successfully connected to Wi-Fi@NIE, you can start using the wireless network with your laptop or mobile devices



## WIFI: EDUROAM

**Eduroam** is also available.

Select the **eduroam** WI-FI network and when prompted, enter the following:

- For “EAP Method” = **PEAP**
- For “Authentication” = **WPA-2 Enterprise** (for NTU) / **MSCHAPV2** (for NIE)

Your Wi-Fi login credentials are:

**Username:** username@domainname

**Password:** password at your institution

## NIE CAMPUS MAP



## **ACKNOWLEDGEMENT**

The ERAS-APERA International Conference 2018 Organising Committee  
wishes to thank

Our Guest of Honour

Ms Low Yen Ling  
Senior Parliamentary Secretary  
Ministry of Education & Ministry of Manpower  
Mayor of South West District  
Singapore

The Organising Committee also wishes to thank the following for their  
participation, support, help and sponsorship

Keynote Speakers

Presenters & Delegates

Professor Christine Goh  
Director, National Institute of Education

Supporting Organisations

International Advisory Committee

Panel of Reviewers

APERA Board

Sponsors & Exhibitors

Xingnan Primary School

Edgefield Secondary School

Ms. Mary Ho

EDUCATIONAL RESEARCH ASSOCIATION OF SINGAPORE  
(ERAS)



<http://eras.org.sg/>

ASIA-PACIFIC EDUCATIONAL RESEARCH ASSOCIATION  
(APERA)



<http://www.aperahk.org/>