HIGH PERFORMING SYSTEMS FOR TOMORROW

2019 Policy Dialogue

Meeting Venue:
University of Macau

Hotel:
The Parisian Macau
Estrada do Istmo, Lote 3, Cotai Strip
24-26 November 2019

Sunday, November 24

6:30 pm	**Reception**	*Laurel Restaurant* *Galaxy Macau, G/F, G127* *ADD: G127*
7:00 pm	**Dinner**	***Introduction: Michael Stevenson,*** *OECD* ***Speaker: Rose Luckin****, Institute of Education, University College London*

Monday, November 25

9:00 am	**First session: Overview of Agenda and Goals** • Welcome and Introductions • Update on where we are on the HPST overall goals • Overview of the agenda and goals for this meeting	*University of Macau, Faculty of Education Room E33-1002* ***Anthony Mackay****, NCEE and* ***Michael Stevenson****, OECD*
9:45 am	**Second session: Reflections from the OECD on the impact of AI** • What is the impact of AI on society, economy and individuals; • What does that mean for our conceptualization of and goals for learning; and • What are emerging principles about what students should learn?	***Introduction: Anthony Mackay*** ***Led by: Andreas Schleicher*** *and* ***Michael Stevenson,*** *OECD*
11:00 am	**Break**	

11:15 am	**Third session: The Global Experiment: AI in Education, with examples from Hong Kong and China**	***Led by: Kai-Ming Cheng**, Chair, Education Policy Unit, University of Hong Kong*
12:45 pm	**Lunch**	
2:15 pm	**Fourth Session: Towards Transformed National Education Systems** Overview of argument in draft discussion paper (to be shared before the meeting) and introduction of 4 discussion topics	***Introduction: Anthony Mackay*** ***Marc Tucker**, NCEE*
2:45 pm	**Discussion 1: The Future of Education and the Economy** *Propositions:* • Second stage globalization, combined with widespread introduction of intelligent technologies, is accelerating the automation and export of jobs in high wage countries, threatening the livelihoods of hundreds of millions. Societies can avoid destabilization over the next 15-20 years by radically upgrading the knowledge and skills of their workforces, providing the kind of education to all that was once only available to a few. • The returns to the "standard model" of education system in the top performing countries are declining. The top performers are probably getting all or almost all they can out of that model. Producing step gains for students will require a different model.	***Chair: Anthony Mackay*** ***Discussion starters:*** ***Chern-Wei Sng** and* ***Christine Choi*** ***Respondent: Marc Tucker***
3:45 pm	**Break**	
4:00 pm	**Discussion 2: The Future of Learning** *Propositions***:** • The science of learning provides the bases for designing mass education systems that could produce much higher levels of achievement, equity and efficiency than any of the top performing systems now provide.	***Chair: Anthony Mackay*** ***Discussion starter:*** ***Kai-Ming Cheng*** ***Respondent: Marc Tucker***

- New instructional technologies, including intelligent machines, designed to take full advantage of what we now know about how people learn, can be combined with very different ways of organizing schooling to create much more effective learning environments.

6:00 pm	**Dinner** The Future of Education: Lessons from Hong Kong	*Chiado Restaurant* *Ship 2206, Level 2* *Sands Cotai Central* ***Welcome: Chuang Wang,*** *Dean of Education at University of Macau* ***Speakers: Kai-Ming Cheng; Catherin Chan,*** *Professor, Faculty of Education, University of Hong Kong and* ***Jeff Sze,*** *Political Assistant to the Under Secretary, Education Development Bureau*

Tuesday, November 26

8:15 am	**Discussion 3: The Future of Schooling** *Propositions:* • Creating new learning systems will require us to rethink our purposes, focus on learning rather than teaching, create very different learning environments, and develop much better assessments not only of cognition but also of intrapersonal and interpersonal skills. • These kinds of learning systems will require highly skilled teachers to organize, facilitate and monitor student learning.	*University of Macau, Faculty of Education Room E33-1002* ***Chair: Anthony Mackay*** ***Discussion starters: Kristi Vinter-Nemvalts and Scott MacDonald*** ***Respondent: Marc Tucker***
9:15 am	**Discussion 4: Getting from Here to There** *Propositions*: • Accelerating the transformation of our education systems will require governments to create special research and development centers tasked with creating these new systems.	***Chair: Anthony Mackay*** ***Discussion starters: Olli-Pekka Heinonen and Chern-Wei Sng*** ***Respondent: Marc Tucker***

	• These centers will need to be organized as partnerships of government, educators and industry. • All nations could use the products of this development work, whether or not they intend to transform—rather than evolve—their systems.	
10:15 am	**Break**	
10:30 am	**Update on the Learning Systems Comparative Study**	***Geoff Masters**, CEO of Australian Council for Educational Research and **Jackie Kraemer**, NCEE*
11:00 am	**Where we are and next steps**	***Anthony Mackay***
11:30 am	**Lunch** Sharing of AI in education in Hong Kong schools	***Ng Tai Kei,** Hong Kong Academy of Gifted Education (HKAGE) and students of HKAGE (by video)* ***Kam Wai Ming,** Chair, Hong Kong Association for Computer Education* ***Karl Cheung**, STEM and eLearning consultant, eLearning Development Laboratory, University of Hong Kong* ***Moderator: Kai Ming Cheng***
12:45 pm	**Adjourn**	