

## Curriculum Vitae



### **Professor Cheah Horn Mun**

Assistant Provost

Singapore University of Social Sciences

Dean

S R Nathan School of Human Development

Tel : +65 6248 6130

### **Education Qualifications**

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|------|---|
| 1991 | MPhil and PhD, Cambridge University, UK |
| 1988 | BA (Physics), Cambridge University, UK  |

### **Academic and Professional Experience**

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|-------------|---|
| 2008 - 2012 | Director, Education Technology Division   |
| 2003 - 2008 | Associate Professor/Dean, Foundation Programmes, NIE                                |
| 2000 - 2003 | Divisional Director, Academic Computing and Information Services, NIE               |
| 1999 - 2000 | Associate Professor/Sub-Dean, Deputy Head of Centre for IT in Education, NIE        |
| 1994 - 1998 | Lecturer, NIE   |
| 1992 - 1994 | Senior Scientific Officer, Singapore Institute of Standards and Industrial Research |

### **Memberships and Professional Activities**

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|----------------|---|
| 2015 - Present | Singapore Centre for Chinese Language (SCCL) Board Member |
| 2015 - Present | R&D sub-committee, SCCL, Chair                            |
| 2001 - 2014    | Next-TELL, International Advisory Member                  |
| 2009 - 2014    | ATC21S Board member                                       |
| 2010 - 2014    | MOE MTL Steering Committee                                |
| 2008 - 2014    | MOE Masterplan III Exco Committee                         |
| 2007           | MOE National Education Committee                          |
| 2007           | MOE Curriculum 2015 Taskforce                             |
| 2006           | MOE Teacher Development and Recognition Review Committee  |
| 2005           | MOE Teach Less Learn More Steering Committee, member      |
| 2001 - 2003    | MOE IT Masterplan II Steering Committee, member           |
| 2001 - 2003    | E-learning Competency Centre Steering Committee, chair    |

### Awards

- Public Administration Medal (Silver) 2012 - National Day Honours List
- Public Administration Medal (Bronze) 2003 - National Day Honours List

### Consultation and Executive Experience

- Led team to Bhutan to develop ICT policy and computer science syllabus development
- Consultant to Abu Dhabi feasibility studies project
- Led team to study Science and Technology and e-learning in developing member countries, ADB project
- Led team to Qatar on independent school policy formulation
- Led team to develop and implement Leaders and Educators in Asia Programme for education capacity building in Manila

### Research Interests

- Effective Integration of IT into education. Assessment of 21st Century skills.

### Selected Publications

Horn Mun Cheah and Kenneth Y T LIM (2015). Mediating approaches to the use of ICT in Teaching and Learning through the lenses of 'Craft' and 'Industrial' Educator". *Journal of Computers in Education*. Pg. 1-11.

Horn-Mun Cheah and Laura Lynn Lee; 'Two Decades of ICT Masterplans: A Comparison', *European Conference on Technology in the Classroom* (pp. 51-69), Brighton, UK (2015).

Chew Leng POON, Sean TAN, Horn Mun CHEAH, Pik Yen LIM and Hui Leng NG; 'Student and Teacher Responses Across Collaborative Problem Solving and Learning Through Digital Networks in Singapore'; In Patrick Griffin and Esther Care (Eds) *Assessment and Teaching of 21st Century Skills*. Springer (2015), Pg 199-212.

HM Cheah and Kenneth Lim, 'Fostering adaptivity through systemic reform: Transforming education through the framework of 'Preparing Students Abilities and Competencies through Education in Singapore (PACES)'; In Hung, D, KYT Lim and SS Lee (Eds) *Adaptivity as a transformative disposition for learning in 21st century*. Springer (2014) Pg. 201-228.

Lim Cher Ping and Cheah Horn Mun; 'Situating Practitioner Research in Future Schools', in 'A School's Journey into the Future'; Pearson (2010) Pg. 3-14.

HM Cheah, (2010). 'National Strategies to Build a Technology Workforce'. *International Encyclopaedia of Education*, 3rd Edition. Elsevier, 66-72.

Lee, Y.-J., Hung, W.L.D., & Cheah, H.M. 'IT and educational policy in the Pacific-Asian region', In J. Voogt & G. Knezek (Eds.), *International handbook of information technology in education*. Dordrecht: Springer (2009) Pg.1119-1132

Horn-Mun CHEAH, Chew-Leng POON and Thiam-Seng KOH. 'Preparing Science Students for the Future in Singapore'. *Japan Journal of Research in Science Education* 50 (1) (2009) 93-103.

Cheah Horn Mun and Wong, Philip. 'Current Status of ICT in Education in Singapore', invited paper for KERIS's comparative ICT studies (2007). Published in Korean Journal of Education 1(1), 23-73.

Hung WL David, HM Cheah, H Chun and WS Cheung; 'Engaged Learning: Making Learning an Authentic Experience'; Teaching and Learning, 25 (1) (2004) 1-17

Cheah, H.M., Hung, D., Wong, P. 'Design-Artifacts in Learning: The Mediation of Emotions and Ideas for Innovation'; Educational Technology 44 (6) (2004) 46-50

PME Shutler and HM Cheah; 'Applying Boltzmann's definition of Entropy'; Eur. J. Phys. 19 (1998) 371.

A Porch, HM Cheah and JR Waldram; 'Microwave response of aligned  $\text{YBa}_2\text{Cu}_3\text{O}_7$  powders'; Physica B 165 (1990) 1197-8.

HM Cheah, A Porch and JR Waldram; 'Microwave conductivity of powdered, unaligned  $\text{YBa}_2\text{Cu}_3\text{O}_7$ '; Physica B 165 (1990) 1195-6.

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