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Profile

A leader and international consultant in teacher education, curriculum development, and assessment. Dennis has facilitated the professional development for some 15,000+ teaching/training professionals across most educational/vocational sectors, and in many countries and cultural contexts. In 25 years, working in Singapore, he invented curriculum and pedagogic frameworks that contributed to the success of Singapore's education system, as well as in many educational institutions in Asian region countries. These are captured in his recent books, '*Creative Teachers: Self-directed Learners*' (Springer, 2020), '*Creative Teaching: An Evidence-Based Approach*' (Springer, 2015), and '*The Challenge of Reframing Engineering Education*' (Springer, 2013). During this period, Dennis provided 100+consultancies in the Asian region and presented/conducted 94 papers/workshops at international conferences.

He worked as Senior Education Advisor at Singapore Polytechnic for over 15 years, and most recently as Chief Investigator on a 2-year research project titled 'Enhancing students' intrinsic motivation: An Evidence-based Approach' for the Ministry of Education, Singapore. Prior to working in Singapore, Dennis taught at all levels of the British education system.

ACADEMIC QUALIFICATIONS

<i>Qualification</i>	<i>Institute</i>	<i>Date</i>
M.Ed. Professional Studies/ Curriculum Development (Distinction)	Exeter University	1990-2
P.G.C.E. Social Studies (Distinction)	Institute of Education London University	1975-6
B.Sc. Social Science (2.1hons)	City University	1971-4

VOCATIONAL QUALIFICATIONS

Internal Verifier Award	City & Guilds of London Institute	1995
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EMPLOYMENT HISTORY (Summary)

Senior Education Advisor at Singapore Polytechnic (SP) (October 1995 – June 2019)

The role involved providing strategic leadership, consultancy, training, and resource development for a wide range of major curriculum innovations, both from SP Senior Management and the Ministry of Education, Singapore. From my perspective, and the work involved, the following are notable achievements:

1. Producing a comprehensive Evidence-Based Creative Teaching and Self-directed Learning framework which underpins the professional development of teaching/training professionals across mainstream educational and vocational sectors. It addresses the present major educational challenge of framing 21st century competencies in practical terms and how to develop creative teachers with the capability to develop self-directed learners. This is now available in my recent book, 'Creative Teachers: Self-directed Learners' (Springer, 2020).

The basis of this framework was a product of several years of applied research and resulting in my writing of *Creative Teaching: An Evidence-Based Approach* (Springer, 2015). This was the first book on creative teaching that systematically applied cognitive science to demystify what creative teachers do and how they do it. The book was reviewed by Geoff Petty, one of Britain's leading experts on teaching methods, who wrote:

“This book is wise, thought provoking, and peppered with powerful quotes. Written using stories from his wide personal experience, the author vividly illustrates his 10 core principles of evidence-based teaching and shows how to make these sensitive to any context. The book demonstrates how to become a creative and effective teacher, including the use of blended learning and looks insightfully at how teachers themselves learn and develop as professionals. A great guide to becoming an effective teacher.” (available on the Springer website)

2. The formulation, development, implementation, and evaluation of SP's Conceive-Design-Implement-Operate (CDIO) Engineering Education Framework. I was responsible for all aspects of the curriculum design, development of resources and assessment, and the evaluation process, which was extensive over a 3-year duration. During this project, I wrote and co-wrote over 20 papers with academic faculty on all aspects of curriculum design, instructional strategy development and

the production of assessment formats, methods, and tools. This work at SP has subsequently led to it becoming the regional center for CDIO in Asia, an impressive achievement for a polytechnic, as it was originally conceived at the Massachusetts Institute of Technology (MIT) in Cambridge, Massachusetts in the late 1990's. The full work, from inception to evaluation, is captured in my book *The Challenge of Reframing Engineering Education* (Springer, 2013). I was proud of this, as a psychologist writing a book on engineering education felt quite an achievement. I must admit, I did work with some quality professionals, who were dedicated, talented and fun to collaborate with – a nice combination.

3. Designing and implementing a whole curriculum approach to promoting good thinking, which I entitled 'A Thinking Curriculum'. This was a particularly interesting project as it was a response to Goh Chok Tong's (then Prime Minister of Singapore) call for "Thinking Schools, Learning Nation", at the opening of the 7th International Conference on Thinking in Singapore, 1997. Over a 4-year period, I developed the framework which has been presented at many conferences, published in range of contexts, and implemented in educational institutions in Singapore and the Asian region.

Other curriculum projects/achievements include:

- Development and implementation of a comprehensive professional development framework for teachers in the polytechnic context, which won the inaugural Blackboard Catalyst Award for Professional Development in 2017 - a prestigious global award, which recognizes and honours innovation and excellence in the Blackboard global community of practice.
- Course leader and facilitator for the Certificate in Professional Development in Higher Education This is a specifically tailored programme to equip Academic Mentors with the necessary pedagogic competence, ability to mentor and coach teaching faculty, and lead in educational initiatives.
- Course leader and facilitator for the Diploma in Adult & Continuing Education (DACE). This is a mandatory professional development programme, under Singapore Workforce Skills Qualifications System (WSQ) Training and Adult Education framework, for accrediting Curriculum Developers to lead WSQ Approved Training Organisations.
- Development and facilitation of an extensive range of specialized staff development workshops for both public and private sector institutions in Singapore and the Asian region. (See 'Consultancies' & 'Papers/Workshops Presented at International Conferences')
- Chief Investigator in a 2-year Tertiary Education Fund research project titled 'Enhancing students' intrinsic motivation: An Evidence-based Approach' for the Ministry of Education, Singapore. The project involved implementing and evaluating an intrinsic motivation (IM) framework, based on the evidence based creative framework I had developed over the previous several years. The work is outlined in my recent book 'Creative Teachers: Self-directed Learners' and will be fully

presented as a 3-paper symposium at the National Institute of Education 'Redesigning Pedagogy International Conference', Singapore, June 2020.

Part- time posts while in Singapore

- Ministry of Education: External Assessor for Singapore's School Excellence Model (2005 - 2010)
- National Institute of Education: Part-time Lecturer in Education for Senior Teacher's programme (2005 –2012)
- Sheffield University: Part-time Lecturer in Education for the M.Ed. programme (1996 – 2004),
- Lyceum of the Philippines Universities: Curriculum Consultant (2016 – ongoing)

Professional Tutor/Senior Lecturer at Guernsey College of Further Education, Guernsey, Channel Islands, United Kingdom (September1984 - July1995)

I was employed in 1984 as a Lecturer in Communications & General Studies, teaching communication skills and social studies modules to craft apprentices. Promoted to the role of Professional Tutor/Senior Lecturer in 1990, I established an Island-wide teacher education programme (then named, 'The Further & Adult Education Teachers Certificate'), which provided accredited teacher status for personnel teaching in the post-compulsory education sector. Over a 5-year period, more than a dozen runs of the programme were successfully completed, involving the training of around 300 personnel from many vocational fields (e.g., nursing and community care, police and prison service, finance and health and safety). I also taught 'O' level English, 'A' level sociology, and a range of social science modules at the Guernsey School of Nursing.

I also achieved accredited assessor and verifier status through City & Guilds of London Institute. This enabled me to set up, manage and provide the training and assessment facility for teaching/training personnel to obtain accreditation as competency-based assessors and verifiers.

Teacher of General Studies at Hautlieu School, Jersey, Channel Islands, United Kingdom (September1976 - June1983)

I taught on an innovative general studies programme, in which students were taught through group discussion and critical thinking, using Socratic questioning in exploring global issues, such as crime and punishment, environmental sustainability, and nuclear concerns. The programme ran throughout the school curriculum, both as a non-examinable subject and at 'A' level. I also taught 'A' level Sociology and Psychology.

Consultancies

Terra-Orient Skill Academy, Singapore (June 3-7, 2019)

- 5-day workshop on Evidence-Based Learning Design & Competency-Based Assessment

Singapore Police Force (January 7-11, 2019)

- 4-day workshop on Designing & Facilitating Flipped Classroom Learning

Asian World Summit, Kuching, Sarawak (October 8-9, 2018) & Kuala Lumpur, Malaysia (October 10-11, 2018)

- 2-day workshop on Metacognition: Teaching students to become Self-Regulated Learners

Asian World Summit, Kuala Lumpur, Malaysia (October 9-10, 2017)

- 2-day workshop on Designing & Facilitating High Impact Blended Learning: An Evidence-Based Approach

4th Education Nation Conference, Kuala Lumpur, Malaysia (April 17-19, 2017)

- Two-day workshop on How Students Learn Best: An Evidence-Based Approach

Thiagarajar College of Engineering, Madurai, India (December 8, 2016)

- 1-day keynote seminar on CDIO Framework in Engineering Education

Lyceum of the Philippines Universities (July 14-15, 2016)

- Two 1-day workshops on Implementing Evidence-Based Creative Teaching at the Universities of Calamba and Batangas, Laguna

Singapore Teachers Union, Singapore (Feb 2, 2016)

- 1-day workshop on Implementing the Flip Classroom using Evidence-Based Teaching

University Consortium, Manila, Philippines (July 29-August 1, 2014)

- 4-day workshop on Curriculum Evaluation

University Consortium, Cebu, Philippines (April 21-25, 2014)

- 5-day workshop on Curriculum Integration

Vietnam National University, Ho Chi Min, Vietnam (November 12-15, 2013)

- 4-day workshop on Evaluating programs for continuous improvement

Polytechnic consortium, Sumatra Indonesia (October 16-19, 2013)

- 3-day workshop on the Teaching & Learning framework for CDIO implementation

Universiti Teknologi Malaysia (June 6-8, 2013)

- 3-day workshop on 'train the trainers' for CDIO implementation

Vietnam National University, Ho Chi Min, Vietnam (April 22-26, 2013)

- 5-day workshop for academic faculty on Designing Integrated Curriculum

Singapore Teachers Union (April 15, 2013)

- 1-day workshop on the Educational Uses of Neurolinguistic Programming (NLP)

Lloyds Register (September 22, 2012)

- 1-day workshop for maritime training personnel on Effective training

Universiti Teknologi Malaysia (August 28-30, 2012)

- 3-day workshop on Active & Experiential Learning

Singapore Teachers Union (July 27, 2012)

- 1-day workshop on Designing a 'Thinking Curriculum'

Universiti Teknologi Malaysia (June 25-30, 2012)

- 3-day workshop on Gap Analysis
- 3-day workshop on Integrating Curriculum

Universiti Teknologi Malaysia (June 7-9, 2012)

- 3-day workshop on CDIO Curriculum Skill Set

Universiti Teknologi (MARA) UiTM, Malaysia (June 4-6, 2012)

- 3-day workshop on CDIO Curriculum Skill Set

Nanyang Technological University (May 8, 2012)

- 1-day workshop on Creative Teaching: What it is and how to do it

Singapore Teachers Union (April 26, 2012)

- 1-day workshop on The Science and Art of Creative Teaching

Compassvale Secondary School, Singapore (March 20, 22, 26; April 2, 2012)

- 4 half-days workshops and follow up consultancy on integrating critical thinking in the school curriculum

National University of Vietnam, Ho Chi Min, Vietnam (September 21-24, 2011)

- Two 2-day workshops for academic faculty on Using Active and Experiential Learning

Singapore Teachers Union (June 22-23, 2011)

- 2-day workshop for teachers on The Science and Art of Creative Teaching

Molisa Project (Capability Development Programme for Competency-Based Assessment), Hanoi, Vietnam (February 15-17, 2011)

- Conducting a 3-day internal verification audit of college assessment systems

Singapore Teachers Union (February 18, 2011)

- 1-day workshop for teachers on the Educational Uses of Neurolinguistic Programming

Swire Pacific Offshore Shipping, Singapore (January 31-February 2, 2011)

- 3-day workshop for training managers on Principles & Practices of Effective Training

Pacific International Lines (PIL) Shipping, Singapore (January 13-14, 2011)

- 1.5-day workshop for Training the Trainers

Lloyds Register, Singapore (December 2-3, 2010)

- 2-day workshop for trainers on Designing & Delivering Effective & Creative Workshops

Singapore Teachers Union (November 23, 2010)

- 1-day workshop on Producing Performance-based Assessment and Scoring Rubrics

Bausch & Lomb, Singapore (November 16-17, 2010)

- 2-day workshop for trainers on Designing & Delivering Effective & Creative Workshops

Singapore Teachers Union (September 22-23, 2010)

- 2-day workshop for teachers on The Science & Art of Creative Teaching

Molisa Project (Capability Development Programme for Competency-Based Assessment), Hanoi, Vietnam (June 14-25, 2010)

- Two 5-day workshops for teaching personnel on developing and conducting competency-based assessment

Molisa Project (Capability Development Programme for Competency-Based Assessment), Singapore (June May 6-7, 2010)

- 2-day workshop for Principals on Quality Assurance in Competency-Based Assessment

Colombo Plan Staff College, Kolkata, India (May 24-June 2, 2010)

- Resource Person conducting a 3-day workshop on The Science and Art of Creative Teaching
- Keynote presentation on Designing Effective and Efficient Blended Learning

Singapore Teachers Union (April 28, 2010)

- 1-day workshop on Producing Good Test Items

Colombo Plan Staff College, Chennai, India (March 11-13, 2009)

- Resource Person conducting a 2-day workshop on Using the Science of Learning to Maximize Teaching and Learning Opportunities
- Keynote presentation on Using the Science of Learning to Maximize Teaching and Learning Opportunities

Singapore Teachers Union (February 12-13, 2009)

- 2-day workshop on The Science and Art of Creative Teaching

Singapore Chinese Girls School (November 10-11, 2008)

- Consultancy to develop an assessment approach aligned to assessment quality standards

American International School, Hong Kong (August 18-19, 2008)

2-day consultancy for all academic staff:

- Science of Learning: Implications for learning design
- Developing a Thinking Curriculum: A whole curriculum approach to promoting thinking
- E- Pedagogy

Chang Mai International School, Thailand (August 11, 2008)

- 1-day workshop for all academic staff on Creative Teaching

Anglo-Eastern Maritime Training Centre, Mumbai, India (October 15-20, 2007)

6-day course on Teacher Training & Assessment for maritime lecturers

- Course design
- Developing assessment systems
- Creative training
- E-learning

SETEC University, Phnom Penh, Cambodia (Aug 5, 2007)

- 1-day workshop for academic staff on Creative Teaching

National Starch, Kunming, China (July 24, 2007)

- 2-day facilitation for regional senior managers on Managing Change

Swire Pacific Offshore, Singapore (June 12-14, 2006)

- 3-day workshop for training managers on Principles & Practices of Effective Training

Lloyd's Register, Singapore (2006)

- 2-day workshop for training personnel on Train the Trainer (conducted 3 runs)

Institute of Technical Education, Singapore (2002)

- 2-day workshop for lecturing staff on Creative Teaching (conducted 12 runs)

Serangoon Secondary School (July 21, 2006)

- 1-day workshop on Developing Creative Teaching Competence

Zhenghuo Secondary School (June 22, 2006)

- 1-day workshop on Developing Creative Teaching Competence

The 6th Trainer's Workshop on Improving Training Quality through Interactive Technologies and Distance Mentoring (May 24-28, 2005)

- 5-day programme on Curriculum, Pedagogy and Assessment, organized by Universiti Sains, Malaysia

Universitas Surabaya, Indonesia (October 11-13, 2004)

- 3-day consultancy (Implementing the Thinking Curriculum; Making Teaching Interesting and Creative)

Peicai Secondary School (Sept. 17&24, 2004)

- 2-day workshop on Making Teaching Interesting and Creative

Universitas Surabaya, Indonesia (March 11-13, 2004)

- 3-day consultancy on Implementing the Thinking Curriculum; Using Problem-based Learning; Making Teaching Interesting

Philippines Normal University, Manila, Philippines (December 8-9, 2003)

- 2-day workshop on Implementing Problem-based Learning

International School of Kuala Lumpur, Malaysia (October 11-12, 2003)

- 2-day workshop for senior staff on Curriculum Development

Greenview Secondary School, Singapore (September 13, 2003)

- 1-day workshop on Making Teaching More Interesting

Parahyang Catholic University, Bandung, Indonesia (June 30-July 2)

- 3-day workshop on Developing a Thinking Curriculum

Universitas Surabaya, Indonesia (February 26-29, 2003)

- 3-day workshop on Developing a Thinking Curriculum

Philippines Normal University, Manila, Philippines (February 13-14, 2003)

- 2-day workshop on Developing a Thinking Curriculum

University of Santo Tomas, Manila, Philippines (Feb. 11-12, 2003)

- 2-day workshop on Developing a Thinking Curriculum

Systematic College Johor Bahru, Malaysia (November 28, 2002)

- 1-day workshop on Making Teaching More Interesting

Mapua Tech, Manila, Philippines (July 12-13 & 15-16, 2002)

- 4-day Consultancy/workshop for directors and senior lecturing staff on Developing Quality Teaching in Engineering Education

National Institute of Education, Singapore (June 3-7, 2002)

Two 2-day workshops for the 5th Summer Institute on Teaching Thinking

- Using Thinking to Maximize Teaching Effectiveness and Student Learning
- Assessing Thinking in the Classroom

Ungku Omar Polytechnic, Ipoh, Malaysia (May 29, 2002)

- 1-day workshop on Developing a Thinking Curriculum

Institut Teknologi Bandung, Bandung, Indonesia (March 26-27, 2002)

- 2-day workshop on Developing a Thinking Curriculum

Colombo Plan Staff College, Manila, Philippines (March 4-8, 2002)

- 1-week course on Developing a Thinking Curriculum for the Regional Programme on Developing Strategies for Higher Order Generic Skills in Kolkata, India

United World College of South East Asia, Singapore (October 22, 2001)

- 1-day workshop on implementing a Thinking Curriculum

Shanghai Maritime University, Shanghai, China (August 20-Sept 1, 2001)

- 2-week pedagogic workshop on Teaching in a second language

Colombo Plan Staff College, Manila, Philippines (July 24-26, 2001)

- 3-day workshop for principals and academic staff on implementing a whole curriculum approach to promoting thinking

Maharashtra State Board of Technical Education, Mumbai, India (July 16-17, 2001)

- 2-day workshop for principals on implementing a whole curriculum approach to promoting thinking

National Institute of Education, Singapore (June 4-5, 2001)

- 2-day workshop on Problem-Based Learning: practical issues in curriculum planning and implementation for the 4th Summer Institute on Teaching Thinking

UNESCAP, United Nations, Bangkok, Thailand (July 17-21, 2000)

- 1-week 'Train the trainers' program for personnel in the freight forwarding industry
- Production of manual for pedagogic training

International Marine Organization (1998-2006)

- A series of 2-week pedagogical workshops for training personnel in the maritime industry (China, Philippines, Singapore, Fiji)
- Production of complete course materials

Thomson's Electronics, Indonesia (1997-2000)

- A series of 2-day workshops for managers on problem-solving and good thinking

River Valley Primary School (1998-99)

- Staff training in producing projects to promote and assess thinking
- The development of a cross curriculum project bank

International Secondary School of Singapore (1997-99)

- Staff training in developing school-wide assessment standards and implementation framework
- Staff training in establishing a system of internal verification

Peixin Primary School (1997-98)

- Staff training in developing a whole curriculum approach to promoting thinking
- Staff training on methods to assess critical and creative thinking

Publications

Books

Creative Teachers: Self-directed Learners (2020) Springer: New York.

Creative Teaching: An Evidence-Based Approach (2015) Springer: New York.

The Challenge of Reframing Engineering Education (2013) Springer: New York.

Other

Innovative Curriculum to Enhance the Learning Experience of Electrical and Mechanical Engineering Students. International Journal of Engineering Education, Vol. 6, pp. 37-44, 2016. (Co-written with M. F. Ercan, N. Kristian).

Case-Based Learning (ch. 6). In Teaching Practices that promote Thinking, Ong A. & Borich, G, 2006. McGraw Hill: London.

Constructing a New Curriculum Framework: Integrating Learning Theory, Neuroscience, and Information Technology. In TLHE Symposium. (Pan, D. et al., 2004) Centre for Development in Teaching and Learning, National University of Singapore: Singapore.

A Practical Model of Creative Teaching. In TLHE Symposium. (Pan, D. et al., 2004) Centre for Development in Teaching and Learning, National University of Singapore: Singapore.

Making Your Teaching Creative and Interesting. In CDTL Brief, July 2004, Vol 8, No 2. Centre for Development of Teaching and Learning: Singapore.

Promoting Thinking: A Singaporean Response. In SPGG Journal, April 2004.

What is Quality in Assessment Practice? In CDTL Brief, March 2003, Vol. 6, No31. Centre for Development of Teaching and Learning: Singapore.

STCW 95: Bridging the Competency Gap. In Seaways, March 2003, pp 21-23. International Journal of the Nautical Institute: London.

Lifelong Learning: What does it mean for us? In CDTL Brief, March 2002, Vol 5, No 1. Centre for Development of Teaching and Learning: Singapore.

Designing a Thinking Curriculum. In CSPC Quarterly, June 2001, Vol. 27, and No. 2. pp 11-17. Colombo Plan Staff College: Manila.

STCW 95: Are minimum standards good enough? In Seaways, Dec 2001, pp 22-25. The International Journal of the Nautical Institute: London.

Designing a 'Thinking Curriculum' in the Classroom. In Curriculum and Teaching, vol. 16, 1, 2001 (pp 45—57) James Nicholas: Australia.

A Thinking Curriculum. In Re-engineering TET: Non-traditional approaches that worked, 2001 (pp 17-65). Colombo Plan Staff College: Manila.

Train the Trainer: Training Fundamentals, Instructors Reference Manual (2001) United Nations: New York.

Designing a thinking curriculum: A whole curriculum approach to promoting thinking
In The Journal of Engineering Education, 2001, vol XIV, no 3&4. The Engineering Education Foundation: New Delhi.

Practical Steps in Designing a Curriculum to Promote Critical & Creative Thinking In CDTL Brief, Dec 2001, Vol 4 No 6. Centre for Development of Teaching and Learning: Singapore.

Assessing specific types of thinking in problem-based learning activities. In Problem based-learning: Educational innovations across disciplines (Tan et al., 2000) Temasek Centre for problem-based learning: Singapore.

Producing projects that develop and assess specific types of thinking. In TLHE Symposium. (Wang. C. M. et al., 2000) Centre for Development in Teaching and Learning, National University of Singapore: Singapore.

The thinking curriculum re-visited. In New 'Literacies': Educational Response to a Knowledge-based Society. (Ee Jessie et al, 2000) Educational Research Association: Singapore.

Assessing critical and creative thinking in written assignments. In Language & Communication Review, 2000, Vol 9, 1, No.1. Humanities Press: Singapore.

How to design a thinking curriculum. In enhancing learning: Challenge of integrating thinking and information technology into the curriculum, vol 1 (Wass. M.Ed., 1999) Educational Research Association: Singapore.

Papers/Workshops Presented at International Conferences

3rd International Conference on Research in Teaching and Education, Singapore (March 13-14, 2019)

- Keynote presentation on Evidence-Based Creative Teaching
- Students as Co-participants in Conducting Educational Research (co-written with Melissa Ng)

ERAS- APERA International Conference, Singapore (November 12-14, 2018)

- 3 Paper Symposia on Enhancing Students' Intrinsic Motivation: An Evidence-Based Approach (Dennis Sale, Mark Wan Chi Ming, Cheah Sin Moh, Nghoh Shwu Lan, M. Fikret Ercan, M. Thiyagarajan, Zhou Shangping, Roland Soh
 - o An Evidence-Based Approach for Enhancing Students' Intrinsic Motivation
 - o Supported Experiments for Enhancing Students' Intrinsic Motivation
 - o An Evidence-Based Framework for Enhancing Students' Intrinsic Motivation

Redesigning Pedagogy International Conference, National Institute of Education, Singapore (May 31-June 2, 2017)

- 3 Paper Symposia on Creative Flipped Classroom Learning: An Evidence-Based Approach. (Co-written with Cheah Sin Moh & Mark Wan):

- Implementing Flipped Classroom Learning: An Evidence-Based Approach
- Experiments in Evidence-Based Flipped Classroom Learning
- Building Professional Capital in Flipped Classroom Learning

12th International CDIO Conference, Turku, Finland (June 12-16, 2016)

- Flipping a Chemical Engineering Module Using An Evidence-Based Teaching Approach (co-written with Sin-Moh Cheah, Hui-Bee Lee)
- Enhancing Teaching Skills: A Professional Development Framework for Lecturers (co-written with Helene Leong, Mark Nivan Singh)

International Conference on Learning & Teaching, Singapore (September 29 – October 1, 2015)

- Reflections on the implementation of CDIO: Key learning for large scale curriculum innovation

The Real-World Classroom Seminar Forum, Kuching, Sarawak (September 19, 2015)

- Keynote presentation CDIO & Evidence-Based Creative Teaching

The EARCOS Teacher's Conference, Bangkok, Thailand (March 29-31, 2012)

4 workshops:

- Promoting Good Thinking in the Curriculum: What is it and How to do it
- Demystifying Creative Teaching: The Science & Art of Highly effective Teaching
- Producing Pedagogically Sound Blended Learning Easily
- The Educational Uses of Neurolinguistic Programming (NLP)

International Conference on Preparing TVET Educators for the Next Generation, Kolkata, India (December 12-13, 2011)

- Keynote presentation and paper, Enhancing Teaching & Teacher Education: A Science of learning Approach Incorporating ICT

International Symposium on Advances in Technology Education (ISATE) conference (Sept. 27-29, 2011)

- Designing Effective & Efficient Blended learning Using Sound Pedagogical Principles (workshop)
- Writing learning Outcomes for Specific Types of thinking

7th International CDIO Conference, Denmark (June 20-23, 2011)

- Developing Critical Thinking Skills through Dynamic Simulation Using an Explicit Model of Thinking

NIE International Conference: Redesigning Pedagogy, Singapore (May 30-June 2, 2011)

- Demystifying Creative Teaching: The Science and Art of Effective Pedagogy

ICT Singapore Inspired Solutions Empowering Learning, Singapore (June 30 - July 2, 2010)

- Designing Effective & Efficient Blended learning Using Sound pedagogic Principles
- Using a Blog as an Effective teaching & Learning Tool (co-written with Christopher Tan)

The 6th International CDIO Conference Making Change Last: Sustaining and Globalizing Engineering Educational Reform, Montreal, Québec, Canada

(June 15-18, 2010)

- Sustaining Curriculum Innovation: The Diploma in Chemical Engineering Experience (co-written with Cheah Sin Moh)
- CDIO as a Force for Good – A water sanitation and hygiene community service project in Myanmar (co-written with Claire Ng Huiting)

The EARCOS Administrators Conference, Manila, Philippines (October 31-November 3, 2009)

Conducted 4 workshops:

- The Emerging Science of Learning: Reducing the mystification of highly effective teaching
- Designing a Thinking Curriculum: A whole curriculum approach to developing critical and creative thinking
- Understanding People and Building Rapport using Neuro-linguistic Programming (NLP)

The 5th International CDIO Conference Reframing Engineering Education: Impact and Future Direction. Singapore (June 7-10, 2009)

- Pedagogy for CDIO (workshop)
- Evaluating the Student Experience of Specific CDIO Skills from a Phenomenographic Approach using Students as Co-Participants
- Implementing CDIO in Electrical & Electronic Engineering modules: practical challenges and how to meet them (co-written with Voon Ching Choo)
- CDIO Design Build Project: Implementation in the Singapore polytechnic (co-written with Pee Suat Hoon & Helene Leong)
- Evaluating the Implementation of CDIO programs at Singapore Polytechnic (co-written with Helene Leong & Cheryl Wee)

International Seminar on ICT in Education: Challenges and Innovations, Chennai, India (March 12, 2009)

- Keynote talk on ‘What is Effective Blended Learning?’

International Conference on Teaching & Learning in Higher Education, Singapore (December 3-5, Singapore, 2008)

- Towards a Science of Learning (co-written with Lau Lee Yee and Mark Nivan Singh)

APERA Conference on Educational Research for Innovation & Quality in Education: Policy & Pedagogical Engagements across Contexts, Singapore (November 26-28, 2008)

- The Science & Art of Creative Teaching (workshop)
- Towards a Model of Effective Teaching: Teachers as Designers of Learning (co-written with Mark Nivan Singh)

International Conference on Teaching & Learning with Technology (iCTLT), Singapore (August 4, 2008)

- Designing Effective Blended Learning (workshop)

4th International CDIO Conference in Engineering Education, Ghent, Belgium, (June 16-19, 2008)

- Writing clear customized learning outcomes with key underpinning knowledge (co-written with Cheah Sin Moh)

International Symposium on Emerging trends in ICT in Education, Manila, Philippines (May 18, 2008)

- The use of Laptop as an Instructional Tool
- Designing Effective Blended Learning (workshop)

The EARCOS Teacher's Conference, Kuala Lumpur, Malaysia (March 26-29, 2008)

4 workshops:

- The 'Thinking Curriculum': A practical framework for Promoting Good Thinking
- Creative Teaching: What it is and how to do it
- Effective E-Pedagogy
- Building Rapport in Cross Cultural facilitation using Neurolinguistic Programming (NLP)

The EARCOS Administrators Conference, Kuala Lumpur, Malaysia (November 3-6, 2007)

- As for the Teacher's Conference in March 08 (above)

The NIE (National Institute of Education) International Conference on Education - Redesigning Pedagogy: culture, knowledge & understanding, Singapore (May 28-30, 2007)

- Re-thinking 'The Thinking Curriculum': What does a whole curriculum approach to promoting good thinking now look like?
- Developing a creative teaching framework based on a 'Science of Learning'
- How to teach creatively: A practical model derived from a science of learning (workshop)

The TLHE Conference Teaching and Learning in Higher Education, Singapore (December 6-8, 2006)

- Reframing Teaching Quality at the Centre of the Discourse on Educational Quality

The NUS (National University of Singapore) Conference on Education, Singapore (December 7-9, 2005)

- Developing creative teaching competence: A practical model of creative teaching
- A practical framework for designing and managing online learning

The NIE (National Institute of Education) International Conference on Education - Redesigning Pedagogy: research, policy, practice, Singapore (May 30 – June 1, 2005)

- De-mystifying creative teaching competence
- How to develop your creative teaching competence (workshop)

The TLHE Conference Teaching and Learning in Higher Education, Singapore (December 1-3, 2004)

- Constructing a new curriculum framework: integrating learning theory, neuroscience, and information technology

- A practical model of creative teaching

The IASCE Conference (International Association for the study of Cooperation in Education), Singapore (June 22-24, 2004)

- Unpacking the syntax of creative teaching through ethnography and neurolinguistic programming
- The syntax of creative teaching; What creative teachers do and how they do it (workshop)

The Global Conference in Education and Training, Singapore (May 20-22, 2004)

- How to be a creative teacher (workshop)
- Effectiveness and limitations of the case-based approach in a character development module (co-written with Elizabeth Tang and May Wee Bee Lin)

The Australasian Universities Building Education Association (AUBEA) Conference, Australia (July 9-11, 2003)

- Promoting critical and creative thinking in a project management module (co-written with Jeremy Coggins)

Asia Pacific Conference on Education, Singapore (June 2- 4, 2003)

- Accelerating the development of teaching competence: A neuro-linguistic programming (NLP) approach
- How to make your teaching more interesting: a neuro-linguistic programming approach (workshop)

SEAMEO INNOTECH 8th International Conference Manila, Philippines (December 9 - 11, 2002)

- A Thinking Curriculum: The model for future curriculum planning

Teaching & Learning in Higher Education Symposium, Singapore (September 4-6, 2002)

- The thinking Curriculum: Integrating Competence, Process and Values
- Towards a Quality Model of Teaching: A case study of practitioners in a large tertiary institution (co-written with Linda Lim and Helene Leong)

10th International Conference on Thinking, Harrogate, UK (July 15-19, 2002)

- Designing a Thinking Curriculum: A practical framework

International Symposium on TVET and the Knowledge Worker, Kolkata, India (March 4-8, 2002)

- Promoting Thinking: A Singaporean response

ISHFOB conference on 'Safe Navigation in the 21st century', Bremen, Germany, (September 19-21, 2001)

- Are the STCW (95) 'Minimum Standards' sufficient for the new maritime environment?

2nd Asia-Pacific Conference on Problem-based Learning, Singapore (December 4-7, 2000)

- Assessing specific types of thinking in problem-based learning activities (2000)
- Promoting Problem-Solving skills in an online learning environment (co-written with Alan Jolliffe)

Teacher & Learning in Higher Education Symposium Singapore (July 6-7, 2000)

- Producing Projects that Develop and Assess Specific Types of Thinking

International Conference on Language Testing, Evaluation & Assessment, Singapore (November 25-27, 1999)

- Assessing Critical and Creative Thinking in Written Assignments

Educational Research Association Conferences (Singapore)

- Good Blended Learning: How to do it (2009)
- Using Neurolinguistic Programming (NLP) to enhance pedagogic practices (2009)
- Towards a Creative Teaching Framework based on a Science of Learning (2007)
- Establishing rapport in facilitating workshops in different cultural and ethnic contexts: Key principles of effective human conduct and engagement (co-written with Subir Mukerji, 2006)
- Creative Teaching: How it works and how to do it (2006)
- What creative teachers do and how they do it: A neurolinguistic programming (NLP) approach (2004)
- Identifying the key resources and strategies of highly effective teachers using neurolinguistic programming (NLP) (2003)
- Enhancing Teaching and Learning through the Effective and Appropriate Use of IT (co-written with Christopher Shaw, 2002)
- The Thinking Curriculum re-visited (2000)
- How to Design a Thinking Curriculum (1998)
- Assessing Thinking Skills and Processes (1997)
- Assessment: A Key Quality Issue in Learning (1996)
- Developing Quality in Teaching (1996)