



Singapore-MIT Alliance (SMA) Symposium

January 14 through January 16, 2013

Theme: **“Reflections of Past Accomplishments: Future Perspective”**

Day 1: Plenary Session

Date: Monday, January 14, 2013

Venue: Shaw Foundation Alumni House, NUS Campus

9:15 a.m. – 9:30 a.m.: **Registration**

Opening Remarks

9:30 a.m. – 9:40 a.m.: Professor Hardy CHAN, *SMA Co-Director, Singapore*
Professor Dick YUE, *SMA Co-Director, MIT*

Keynote Speaker and Guest-of-Honor

9:40 a.m. – 10:00 a.m.: Professor TAN Chorh Chuan, *Chairman of SMA, and President, NUS*

Alums Perspective

Academia

10:00 a.m. – 10:15 a.m.: Dr GAN Chee Lip (SMA1–AMM&NS), *Associate Professor, School of Materials Science & Engineering, NTU & Director, Temasek Laboratories@NTU.*
Topic: My education and research experience with SMA: From SMA student to SMA fellow

10:15 a.m. – 10:30 a.m.: Dr Melvyn SIM (SMA1–HPCES), *Professor, Department of Decision Sciences, NUS Business School*
Topic: My academic journey begins with SMA

10:30 a.m. – 10:40 a.m.: **Question and Answer Session**

Industry and Entrepreneur

10:40 a.m. – 10:55 a.m.: Mr Sumit GUPTA (SMA2–MST), *Supply Chain Manager, CUMMINS, Inc. U.S.A.*
Topic: *United in Diversity –The SMA Contribution*

10:55 a.m. – 11:10 a.m.: Ms Xia HUA (SMA2–MST), *Consultant, Murex Southeast Asia*
Topic: *Process Flows in the Banking Sector*

11:10 a.m. – 11:25 a.m.: Dr Dawei SHEN (SMA1–HPCES), *Boenten Inc., Co-Founder and CEO; Research Affiliate at MIT Medical Lab*
Topic: *Innovation and Entrepreneurship Lessons Learned from SMA: Experiences at MIT Media Lab and Building a Start-Up*

11:25 a.m. – 11:40 a.m.: Dr Chian Myau SOON (SMA2–AMM&NS), *Resident of Otolaryngology, Singhealth*
Topic: *What SMA has given to me*

11:40 a.m. – 12:05 p.m.: **Question and Answer Session**

Closing Remarks and Presentation of Gifts

12:05 p.m. – 12:20 p.m.: Professor Soo Jin CHUA, *Deputy Director, SMA*



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- 12:20 p.m. – 2:00 p.m.: **Lunch**
Venue: Kent Ridge Guild House
- 2:00 p.m. – 6:00 p.m.: **Free Time**
- 6:30 p.m. – 9:30 p.m.: **Dinner** (MIT and Singapore SMA Faculty only)
Venue: Jewel Box at Mt. Faber
- 9:30 p.m.: **End of Day 1**



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Day 2: Plenary Session

Date: Tuesday, January 15, 2013

Venue: Shaw Foundation Alumni House, NUS Campus

9:15 a.m. – 9:30 a.m.: Registration

Opening Remarks

9:30 a.m. – 9:40 a.m.: Professor YOON Soon Fatt, *Deputy Director, SMA*

Roundtable Discussion by Current/Former Directors of SMA

9:40 a.m. – 10:20 a.m.: Chair: Professor Rohan ABEYARATNE, *CEO and Director, SMART Centre*
Singapore: Professors Andrew NEE and Hardy CHAN
MIT: Professor Dick YUE

10:20 a.m. – 10:40 a.m.: **Question and Answer Session**

MIT and Singapore Programme Chairs Perspective

Programme: Advanced Materials in Micro-and-Nano Systems (AMM&NS)

10:40 a.m. – 10:50 a.m.: Professors Carl THOMPSON and Soo Jin CHUA

10:50 a.m. – 10:55 a.m.: **Question and Answer Session**

Programme: Manufacturing Systems and Technology (MST)

10:55 a.m. – 11:05 a.m.: Professors Dave HARDT and YUE Chee Yoon

11:05 a.m. – 11:10 a.m.: **Question and Answer Session**

Programme: Computational Engineering (CE)

11:10 a.m. – 11:20 a.m.: Professors Jaime PERAIRE and KHOO Boo Cheong

11:20 a.m. – 11:25 a.m.: **Question and Answer Session**

Programme: Chemical and Pharmaceutical Engineering (CPE)

11:25 a.m. – 11:35 a.m.: Professors Alan HATTON and TOO Heng-Phon

11:35 a.m. – 11:40 a.m.: **Question and Answer Session**

Programme: Computation and Systems Biology (CSB)

11:40 a.m. – 11:50 a.m.: Professors Peter SO and HEW Choy Leong

11:50 a.m. – 11:55 a.m.: **Question and Answer Session**

Programme: Computer Science (CS)

11:55 a.m. – 12:05 p.m.: Professors Tomas LOZANO-PEREZ and NG Hwee Tou

12:05 p.m. – 12:10 p.m.: **Question and Answer Session**

Closing Remarks

12:10 p.m. – 12:20 p.m.: Professor Hardy CHAN, *SMA Co-Director, Singapore*
Professor Dick YUE, *SMA Co-Director, MIT*



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12:20 p.m. – 1:30 p.m.: **Lunch**
Venue: Kent Ridge Guild House

Day 2: Parallel Sessions

Date: Tuesday, January 15, 2013

Venue: Shaw Foundation Alumni House and Kent Ridge Guild House, NUS Campus

1:30 p.m. – 5:00 p.m.: **Programme Presentations**
AMM&NS, CE, CPE, CSB and MST

6:30 p.m. – 8:30 p.m.: **Reception** (MIT and Singapore Faculty, SMA Alums and Students)
Presentation of Poster Award Winner
Venue: Kent Ridge Guild House

8:30 p.m.: **End of Day 2**

Day 3: Parallel Sessions

Date: Wednesday, January 16, 2013

Venue: Shaw Foundation Alumni House and Kent Ridge Guild House, NUS Campus

9:00 a.m. – 12:00 p.m.: **Programme Presentations**

12:00 p.m. – 1:30 p.m.: **Lunch**
Venue: Kent Ridge Guild House

1:30 p.m.: **End of Day 3**