

“Emerging Patterns”

2 - 4 March 2015

Nanyang Executive Centre (NEC)
60 Nanyang View, Singapore 639673

Sunday, 1 March

Venue: Function Hall 1, NEC L3

6.30pm Welcome Reception

Monday, 2 March

Venue: Auditorium, L2

8.15am Registration

9.00am Welcome Remarks by Director Para Limes
Jan W. Vasbinder

9:10am Opening Address by NTU President
Bertil Andersson

Chair: Jan W. Vasbinder

9.30am Atsushi Iriki
Senior Team Leader at RIKEN Brain Science Institute; Visiting Professor at
Nanyang Technological University
How Human Intelligence May Have Emerged

11.00am Coffee Break

Chair: Cheryl Abundo

11.30am Balázs Gulyás
Professor at Lee Kong Chian School of Medicine, Nanyang Technological
University & Karolinska Institute, Stockholm, Sweden
Emergent Evolutionism and the Brain-mind Problem

1:00pm Lunch

Chair: Cheong Siew Ann

2.00pm Luciano Pietronero
Full Professor of Physics, Sapienza University of Rome
Associated to the Institute of Complex Systems, CNR, Rome
*New Metrics for Economic Complexity: Measuring the Intangible Growth Potential of
Countries*

3.30pm Coffee Break

Chair: Andrea Nanetti

4.00pm Roland Fletcher
Professor of Theoretical and World Archaeology, University of Sydney, Australia
The Structure of Emerging Cultural Patterns: 100,000 BP to the Present

5.30pm Adjourn

7.00pm Conference Banquet

Venue: Shanshui Palace (c/o Raffles Country Club)

Tuesday, 3 March

Venue: Auditorium, NEC L2

Chair: Kevin Xiao

9.00am David Christian
 Director of Big History Institute and Distinguished Professor in History,
 Department of Modern History, Macquarie University, Sydney
Complexity and Big History

10.30am Coffee Break

Chair: J. Stephen Lansing

11.00am Sander van der Leeuw
 Foundation Professor, School of Human Evolution & Social Change & School of
 Sustainability, Co-Chair, Complex Adaptive Systems at Arizona State University
Are We Part of the Solution or Part of the Problem?

12.30pm Lunch

Chair: Daniela Rhodes

1:30pm Tim Hunt
 Nobel Laureate in Physiology or Medicine 2001, Cancer Research UK
Switches and Latches: The Control of Cell Division

3.00pm Coffee Break

Chair: Michael Walsh

3.30pm Tor Nørretranders
 Writer, Visiting Scientist at Nanyang Technological University
Commonities and the Complexity of Everyday Life

5.00pm Adjourn

6.00pm Cocktail Reception

Venue: Atrium, NEC L2

7:30pm Concert – Piano Trios

Venue: Function Hall 1, NEC L3

Wednesday, 4 March

Venue: Auditorium, L2

Chair: Jonathan Sim

9.30am W. Brian Arthur
External Professor at the Santa Fe Institute
Complexity and the Shift in Western Thought

11.00am Coffee Break

Chair: Luo Shenshen

11.30am Ben Shedd
Professor, Digital Filmmaking, School of Art, Design and Media, Nanyang
Technological University; Academy Award Winning Science Filmmaker
Making the Strange Familiar and the Familiar Strange

1.00pm Lunch

Chair: Chew Lock Yue

2.00pm Stefan Thurner
Professor at Medical University of Vienna, Section for Science of Complex Systems
Emergence of a Comprehensive Understanding of Scaling Patterns in Nature

3.30pm Coffee Break

Chair: Su Haibin

4.00pm Ada Yonath
Nobel Laureate in Chemistry 2009, Weizmann Institute, Rehovot, Israel
*Beauty, Symmetry, Complexity, Origin of Life & Species Specificity in Antibiotics
Resistance*

5.30pm Closing Remarks by Jan W. Vasbinder

5:40pm End of Conference