

“HIDDEN CONNECTIONS”

3 - 5 March 2014

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

Dress code: Smart Casual

Sunday, 2 March

Venue: Function Hall 1, NEC L3

6.30pm Welcome Reception

Monday, 3 March

Venue: Auditorium, L2

8.15am Registration

9.00am Welcome Remarks by NTU Complexity Program Director
Jan W. Vasbinder

9:10am Opening Address by NTU Deputy President & Provost
Freddy Boey

9.20am Speech by Guest-of-Honor
Peter Ho
Senior Adviser to the Centre for Strategic Futures, Singapore

9.50am Launch of the Complexity Institute and Panel Discussion: *Hidden Connections*

10.50am Coffee Break

Chair: Cheong Siew Ann, NTU

11.10am J. Doyne Farmer
Professor of Mathematics and Co-Director, Complexity Economics, Institute for New
Economic Thinking, Oxford Martin School, University of Oxford
An Evolutionary View of Technological Progress

12:40pm Lunch

Chair: Jan W. Vasbinder, NTU

1.40pm Martin Rees
Astronomer Royal and a Fellow (and former Master) of Trinity College, University of
Cambridge
From Big Bang to Biospheres -- and Beyond

3.10pm Coffee Break

Chair: Yeap Su Yin, NTU

3.40pm Adam Kahane
Partner, Reos
How to Collaborate to Transform Complex Social Systems

5.10pm Adjourn

7.00pm Conference Banquet (*sponsored by NTU Institute of Advanced Studies*)

Venue: Tung Lok Seafood Restaurant
The Arena Country Club
511 Upper Jurong Road
Singapore 638366

Tuesday, 4 March

Venue: Auditorium, NEC L2

Chair: George Christopoulos, NTU

9.00am Chiu Chi-Yue
Professor and Director of Research & PhD Program, Nanyang Business School,
NTU

Psychological Reactions to Culture Mixing

10.30am Coffee Break

Chair: Andrea Nanetti, NTU

11.00am Albrecht von Müller
Director, Parmenides Center for the Study of Thinking, Parmenides Foundation

From Rationality to Reason

12.30pm Lunch

Chair: Su Haibin, NTU

1:30pm Arie Warshel
2013 Nobel Laureate (Chemistry) and Distinguished Professor of Chemistry,
University of Southern California

Unraveling the Complexity of Biological Functions by Computer Simulation

3.00pm Coffee Break

Chair: Roland Bouffanais, SUTD

3.30pm Ricard Solé
Research Professor, Catalan Institute for Research and Advanced Studies and
Head of Complex Systems Lab, Universitat Pompeu Fabra

Towards the Major Transitions in Synthetic Evolution

5.00pm Adjourn

6.00pm Cocktail Reception

Venue: Atrium, NEC L2

7:30pm Evening Concert

Ludwig van Beethoven: Sonate opus 102 nr 1

Sergei Prokofiev: Sonate opus 119

Johannes Brahms: Sonata opus 99

Venue: Function Hall 1, NEC L3

Wednesday, 5 March

Venue: Auditorium, L2

Chair: Yilei Zhang, NTU

9.00am Staffan Kjelleberg
 Director, Singapore Centre on Environmental Life Sciences Engineering
Microbial Biofilms - A Highly Complex Default Mode of Life

10.30am Coffee Break

Chair: William Clune, NTU

11.00am Ricardo Hausmann
 Director, Center for International Development and Professor of the Practice of
 Economic Development, Kennedy School of Government, Harvard University
Collective Knowhow

12.30pm Lunch

Chair: Alan Chan, NTU

1:30pm William S-Y Wang
 Professor, Department of Electronic Engineering and
 Director, Joint Research Centre for Language and Human Complexity. Chinese
 University of Hong Kong
Phase Transitions in Language Evolution

3.00pm Coffee Break

Chair: Chew Lock Yue, NTU

3.30pm Brian Uzzi
 Professor, Kellogg School of Management and Co-Director, Northwestern Institute
 on Complex Systems, Northwestern University
Atypical Combinations in Scientific Impact

5.00pm Closing Remarks by Jan W. Vasbinder

5:10pm End of Conference