

NTU Winter School

Introduction to Complexity Science

9-10, 13-15 March 2017

Aims

1. Provide overview of complexity & complex systems, answering questions on nonlinearity, order disorder & chaos.
2. Introduce methods, models & simulation tools to study complex systems with hands-on sessions on building, simulating and visualizing complex networks. Participants are encouraged to bring their own data, work in groups mentored by instructors and present their findings.
3. Provide insights into how complexity manifests itself in real life e.g. politics & governance, eco-systems, cities and spreading phenomena e.g. rumours, epidemics, economics & innovation.

Instructors

• Stuart Kauffman (<i>University of Calgary, Canada</i>)
• Peter Sloot, J. Stephen Lansing, Siew Ann Cheong, Chew Lock Yue (<i>NTU, Singapore</i>)
• Stefan Thurner (<i>Medical University of Vienna, Austria</i>)
• Polly Matzinger (<i>National Institute of Health, USA</i>)
• Michael Lees, Rick Quax (<i>University of Amsterdam, The Netherlands</i>)
• Christopher Monterola (<i>Institute of High Performance Computing, Singapore</i>)
<i>* to be affirmed</i>

Registration

	NTU Staff & Student	<ul style="list-style-type: none">• FREE ! *<i>Limited seats</i>• *Register with your Curriculum Vitae (CV) & ½ page of motivation (<i>Closing date: 9 January 2017, GMT + 8</i>)
	Public	<ul style="list-style-type: none">• Fees: SGD 320 (inclusive 7% GST)(<i>Closing date: 16 January 2017, GMT+ 8</i>)

Payment

Cashier's Order (Singapore payer) or Demand Draft (overseas payer)	Telegraphic Transfer
<ul style="list-style-type: none">• in SGD \$ in favour of "Nanyang Technological University".• write your name, email, contact no., registration no. and "NTU Winter School 2017" on the reverse side of cashier's order/bank draft.• attach the notification email is to cashier's order/bank draft and mail to: Complexity Institute Nanyang Technological University Innovation Centre Blk 2 #02-245 18 Nanyang Drive, Singapore 637723 Attn: Davina Koh Re: NTU Winter School 2017	Name: Nanyang Technological University Bank Name: Overseas-Chinese Banking Corporation Limited Bank Address: 65 Chulia Street , OCBC Centre Singapore 049513 Bank Account No: 537-010027-001 SWIFT Code: OCBCSGSG <u>Note</u> <ul style="list-style-type: none">• all bank charges are to be borne by participants.• state in telegraphic transfer slip that it is for "NTU Winter School 2017"• Email the slip to: wintersch@ntu.edu.sg with registration ID indicated.

*** Participants are strongly encouraged to attend the Complexity Conference on 6-8 March 2017 organized by Para Limes at NTU.*

Enquiry

- Pls contact Davina Koh at : wintersch@ntu.edu.sg or [telephone](tel:+6569083485) (+65) 6908 3485
- For more information, please visit:
<http://www.complexity.ntu.edu.sg/Programmes/SchoolsCourses/Pages/Home.aspx>



Organizer : Complexity Institute, NTU