

TOPIC OF INTEREST: SOCIAL PHYSICS

Social physics or sociophysics is a field of science which uses mathematical tools inspired by physics to understand the behavior of human crowds. In a modern commercial use, it can also refer to the analysis of social phenomena with big data.

Social physics is closely related to econophysics which uses physics methods to describe economics.

Source: Wikipedia

#DYK: Auguste Comte, the founder of modern sociology, coined the phrase “social physics” back in the 19th century.

#nisthfellows working in fields related to socio physics: Chew Lock Yue, Georgios Christopoulos, Gao Cong, Jingoo Kang, Tan Ken Seng and S Viswanathan

#nisthreads:

- [Trust, fast and slow: A comparison study of the trust behaviors of entrepreneurs and non-entrepreneurs](#) (Georgios Christopoulos)
- [Learning dynamics and heterogeneity of spatial-temporal graph data for traffic forecasting](#) (Gao Cong)
- [Performance implications of incremental transition and discontinuous jump between exploration and exploitation](#) (Jingoo Kang)
- [Gompertz law revisited: Forecasting mortality with a multi-factor exponential model](#) (Tan Ken Seng)
- [Data processing and scanning systems for assessing vendor risk](#) (S Viswanathan)



More details on our social media platforms this week:

NISTH EVENTS



NISTH ThinkOut: Genomics and the New Inequalities, POSTPONED!!

New Date: 3 December 2021

New Time: 2:00 PM – 3:00 PM

NISTH ThinkOut on Genomics and the new inequalities with, NISTH Fellows - Assoc Prof Joanne Ngeow and Asst Prof Ian McGonigle, is now postponed to 3 December 2021.

Register at: [Here](#)

19 Nov 2021; 3:00 PM – 6:00 PM

Young Global Leaders (YGL), Executive Education Module, is organised by NISTH, once again this year, under the theme - *Imagining Technological Future*. The YGLs will be participating in a 5 days online programme that brings them through thought-provoking lectures and workshops on writing, filmmaking and game-making to help bring a fresh perspective to their work towards meaningful solutions for the society. NISTH Fellows are invited to attend the final presentation to interact and network with this carefully selected group of thought-leaders.

Register at: [Here](#)



EVENTS WITH NISTH FELLOWS



27 Oct2021; 5:00 PM – 6:15 PM

Making sense of sustainability challenges, is part of the outreach to students and SGwebinar of the TCS Sustainathon Singapore 2021. **Prof Vanessa Evers**, Director, NISTH and other supporting partners will share ideas on sustainability in the education landscape (SDG 4) and inspire students to take pro-active steps to reimagine their education and learning.

Register at: [Here](#)

OTHER EVENTS



20 Oct 2021; 9:00 AM – 10:30 PM

Inequality (and epidemics) in Cities at High Resolution, is a webinar organised by the **Computational Social Science Laboratory (CSSL)@CUHK**. The webinar will discuss the implications of the results of a study done on modelling individual segregation/isolation and where they live. They will highlight how these results impact in the context of future development of areas and in the ever-changing evolution of our cities. They will also present recent results about the use of the same modeling and data to understand the COVID-19 epidemic evolution and potential exit strategies in the Boston area.

More Info: [Here](#)

25 Oct 2021; 1:00 PM – 2:30 PM

RSIS Virtual Roundtable on “Climate Security in the Indo-Pacific: Strategic Implications for Defence and Foreign Affairs”. This roundtable gathers experts from the defence and foreign policy communities to discuss Climate Security in the Indo-Pacific and its implications on regional affairs. This event will evaluate the role of climate change as a crisis multiplier, and the place of climate change in national and regional defence and foreign policy.

More Info: [Here](#)



27 Oct 2021; 12:30 PM – 1:30 PM

Digital Transformation in Finance, is part NBS Knowledge Lab Series. The webinar will bring together four experts from Singapore Fintech Association, JP Morgan, and Minterrest as they unpack the implications of future trends for digital transformation in the financial industry.

Register: [Here](#)

PARTNER EVENTS



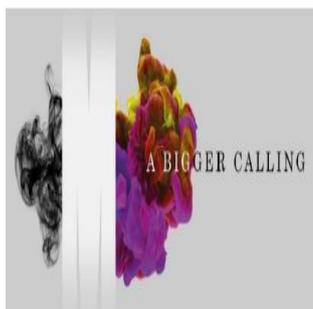
8 – 10 Nov 2021; 1:30 PM – 4:15 PM

SGInnovate's (NISTH's Strategic and Network Partner) Deep Tech Summit is back! The Summit, is Asia's leading conference dedicated to exploring the role of deep science and deeptech innovations on our future economy, and will feature expert conversations and knowledge sharing sessions across 4 tracks: Sustainability, Health and Biomedical Sciences, AgriFood and Advanced Manufacturing.

Register at: [Here](#)

GRANT / CHALLENGE CALLS & OPPORTUNITIES

For assistance in identifying research partners, email us at NISTH-research@ntu.edu.sg



Climate Change Communication - Research Fellow Position

A Level B Postdoctoral Research Fellow will be a foundational appointment in the Malaysian Node of the Monash Climate Change Communication Research Hub. Based in Kuala Lumpur and working collaboratively with colleagues in the Node and the Hub, the Fellow will develop and complete a three-year research project of social research.

For more information: [Here](#)



Sustainability Open Innovation Challenge 2021 - Round 1

Applications deadline: 24 October 2021

Help build a brighter future for our planet with the Sustainability Open Innovation Challenge 2021! Enterprise Singapore (ESG) is collaborating with key industry partners to launch the third edition of the challenge with challenge statements in key sustainability areas such as sustainable materials, waste management, and sustainable food source.

More details : [Here](#)

Social Science & Humanities Research (SSHR) 2025 Seed Grant Call

2021 Applications deadline: 31 October 2021, noon

CoHASS, RSIS, NBS and NIE have collaboratively launched the SSHR2025 Seed Grant. This is an annual grant call that aims to catalyse interdisciplinary research and position NTU at the forefront of research in the fields of arts, social sciences, humanities, education and business and lay the groundwork for larger external grant applications. Its focus is on 6 themes: Sustainability and Resilience, Culture and Creativity, Education and Transformation, Leadership and Disruptive Innovation, Human Behaviour and Technology and Language and Heritage.

More details : [Here](#)

Email us at nisth-events@ntu.edu.sg; Website: www.nisth.ntu.edu.sg



SOCIAL SCIENCE & HUMANITIES RESEARCH (SSHR) 2025 SEED GRANT CALL 2021