TOPIC OF INTEREST: BIOINFORMATICS

Bioinformatics is defined as the application of tools of computation and analysis to the capture and interpretation of biological data. It is an interdisciplinary field, which harnesses computer science, mathematics, physics, and biology.
Source: Wikipedia

#DYK: Analysis of genome sequence data, particularly the analysis of the human genome project, is one of the main achievements of bioinformatics to date

#nisthfellows working in fields related to Bioinformatics are: Wilson Goh, Ian McGonigle, Annabel Chen, and George Augustine

#nisthreads:
- How doppelgänger effects in biomedical data confound machine learning (Wilson Goh)
- Generational Medicine in Singapore: A National Biobank for a Greying Nation (Ian McGonigle)
- Unveiling the Structure of Heart Rate Variability (HRV) Indices: A Data-driven Meta-clustering Approach (Annabel Chen)
- Synapsins and the Synaptic Vesicle Reserve Pool: Floats or Anchors? (George Augustine)

More details on our social media platforms this week:

NISTH EVENTS

3 Dec 2021; 2:00 PM – 3:00 PM
NISTH ThinkOut: Genomics and the New Inequalities, will bring together **NISTH Fellows - Assoc Prof Joanne Ngeow and Asst Prof Ian McGonigle** to discuss the topic from two different viewpoints. Is the Holy Grail of modern medicine, Genomics? While it has significantly altered the way researchers, scientists and clinicians develop diagnostics, therapeutic strategies, and treatment options, it has also raised the concern of inequality. Join the webinar to hear the two perspectives.
Register at: Here
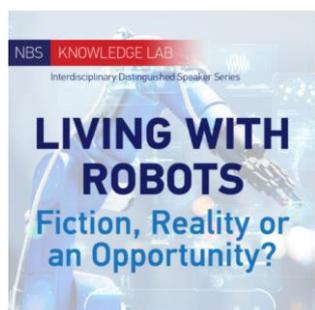
EVENTS WITH NISTH IAB/FELLOWS

25 Nov 2021; 12:00 PM – 1:00 PM
Living with Robots: Fiction, Reality or an Opportunity? Is part of the NBS Interdisciplinary Distinguished Speaker series. In this webinar, Professor David Hsu will share some insights into the latest robot technology development, dispel some unrealistic expectations, and most importantly, have a conversation to speculate on what lies ahead, why some robots succeed more than others, and what all these mean for Singapore. **NISTH Fellow, Prof Xing Chang Simba**, will be moderating the session.
Register at: Here

22 - 23 Nov 2021

The Lien International Conference on Good Governance 2021, organised by The Nanyang Centre for Public Administration (NCPA), NTU, in collaboration with the International Institute of Administrative Sciences (IIAS), Civil Service College Singapore and the Stratagem Group, will gather local and international academics, practitioners and researchers to examine major issues in governance, public service delivery and evaluation. The theme this year on "Good Governance in the Post COVID-19 World" is a call for academics and practitioners from around the world to come together to deliberate how to navigate businesses and society in the new normal as COVID-19 becomes endemic and towards global economic recovery.

Register at: Here

25 - 26 Nov 2021

The **NAMIC Global Additive Manufacturing Summit** returns with its second virtual edition on 25-26 November 2021. Held in conjunction with ITAP, Asia's leading Industry 4.0 event, GAMS 2021 will connect with a global audience to explore the global impact and emerging applications of Additive Manufacturing (AM) with 'Revolutionising the Future of Additive Manufacturing with Leaders in 3D Printing' as its driving theme.

Register at: Here

GRANT / CHALLENGE CALLS & OPPORTUNITIES

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

AI Governance Research Grant Call (AIG) – 22 Nov 2021

AI Governance supports research efforts to help ensure that AI is trustworthy and trusted for the benefit of humanity. As this is the first grant call, AISG encourages multi-disciplinary research reflecting novel ideas/visions that are underexplored, and/or have a clear significance social impact. They seek proposals that are interdisciplinary and bring non-traditional perspectives on questions of AI Governance e.g., humanities and social sciences. This might include perspectives from anthropology, communications, economics (including behavioural economics), education, law, neuroscience, psychology, sociology, among other fields. All proposals are required to have a clear focus on specific questions and a clear research focus.

For more information: Here

More details on our social media platforms this week:

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