FELLOWS SHOWCASE: BENJAMIN P HORTON

Benjamin Horton is the Director of the Earth Observatory of Singapore (EOS) and a Professor at the Asian School of the Environment, NTU. He has been appointed the AXA-Nanyang Professor in Natural Hazards. Prof Horton’s research concerns sea-level change, with the aim of understanding and integrating the external and internal mechanisms that have determined sea-level changes in the past, and which will shape such changes in the future. His research impacts upon important ecological, ethical, social, economic, and political problems specifically facing coastal regions.

Professor Horton actively contributed to the COP26 conference: he led the COP26 report on managing disaster risks from natural hazards in ASEAN. He was also appointed Mentor for the Commonwealth Futures Climate Research Cohort to guide a group of researchers working towards solutions for climate-vulnerable communities in the lead-up to COP26. He is a Review Editor for the Intergovernmental Panel on Climate Change (IPCC) 6th Assessment Report and was an author of the 5th Assessment Report.

#DYK
- In 2019, Prof Horton was appointed the President’s Chair in Earth Sciences at NTU for outstanding achievement.
- The 2016 Plinius Medal was awarded to Prof Horton for outstanding research on the mechanisms and nature of past sea-level changes, their association with earthquakes, tsunamis, and storms, and how these processes will impact future coastal environments.
- Prof Horton’s research was cited by President Obama in his 2015 State of the Union Address at the United States Capitol on January 20th, 2015.

#nsthread: Prof Horton’s latest publications include:
- Time of emergence of modern rates of sea-level rise
- Changing impacts of Alaska-Aleutian subduction zone tsunamis in California under future sea-level rise
- A further source of Tokyo earthquakes and Pacific Ocean tsunamis
- Estimating global mean sea-level rise and its uncertainties by 2100 and 2300 using an expert survey
- Thresholds of mangrove survival under rapid sea-level rise

More details on our social media platforms this week:  

UNITED NATIONS DAY TO NOTE: WORLD OCEANS DAY – 8 JUNE 2022

World Oceans Day was first introduced in 1992 to raise awareness of the crucial role the sea plays as sources of food, oxygen and medicine. It was officially recognized by the United Nations (UN) in 2008 and is observed on June 8 each year.

FELLOWS IN THE MEDIA
Lee Pooi See (Prof)
3 June 2022
•  NTU scientists develop 'fabric' that turns body movement into electricity

NISTH EVENTS

8 June 2022; 11:00 AM – 12:00 PM
NISTH ThinkOut: Climate Science Communication: The impact on Young People. The terms, carbon emissions, recycling, and solar panels, are synonymous to Climate Science. But, what do they mean to young people? How can one effectively promote understanding and knowledge, and engage in developing concern for the future? How to effectively communicate sustainability without ‘freaking’ them out. What progressive and innovative methods can be used to positively influence the youth to take action? Join our panelists and NISTH Fellows Prof Benjamin Horton (EOS, NTU) and Asst Prof Yong Ming Lee (NIE, NTU) as they discuss, these questions and more on the topic.
More information: Here

Deadline for submission: 2359hrs GMT+8, 15 June 2022

2nd Global Digital Art Prize (GDAP)
Taking the form of a biennial competition, the NTU Global Digital Art Prize (NTU-GDAP) is where artistry, technological innovations and scientific interests collide. It recognises global artists, technologists and scientists with extraordinary creativity in digitally mediated art, design and cultural heritage. The theme for NTU-GDAP 2022 is Sustainable People, Inspiring Change. We seek creative projects at the intersections of science, technology, and art that contribute to building more equal, inclusive, and sustainable economies and societies to tackle the global challenges.
More information: Here

EVENTS WITH NISTH IAB/FELLOWS/PARTNERS

31 July – 3 Aug 2022
World Cities Summit 202; Liveable and Sustainable Cities: Emerging Stronger, is an opportune platform to share best practices and innovative solutions for our cities to be more liveable, sustainable, and resilient. Apart from our usual highlights - the Lee Kuan Yew World City Prize, WCS Mayors Forum, WCS Young Leaders Symposium and WCS Smart Cities Workshop, global, business, and thought leaders will discuss our theme through plenary sessions and tracks.
More information: Here

19 – 21 Sept 2022; 8:30 AM – 1 June 2022; 5:30 PM
2nd International Conference on Materials for Humanity (MH 22), is organised by the Materials Research Society of Singapore. The conference showcases the latest developments in materials science and engineering that will secure a sustainable future. NISTH Postdoc Dr Iuna Tsyrulneva, will be chairing the session on Sustainable Materials Development and Use, under the Materials for education and communication symposium. The symposium findings aim to serve as a basis for the development of guidelines in sustainable synthesis and in purpose- and function-driven application of materials. The participants will explore the environmentally friendly alternatives to synthesize materials and identify applications for their
sustainable use. The symposium is anticipated to raise awareness about societal pressing needs aligned with SDGs and the role and potential of novel materials. Other NISTH Fellows involved are, Prof Lee Pooi See and Assoc Prof Sierin Lim, Assoc Prof Tan Lay Poh.

More Info: [Here](#)

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**OTHER EVENTS & OPPORTUNITIES**

Global Alliance for Ethics and Impact of Artificial Intelligence (GAEIA), invites 3-4 advanced level PhD/Master level students, to join the group and work in a supported process for 8 months, from 25 Aug 2022. The students will be offered a training program in ethics and risks related to the use of technology in the financial sector and in education, while conducting research on topic in teams. The program is an extension of a program just completed with a [conference at Stanford](#) (online) on May 19, 2022. They aim for diversity, are open to high level students (PhD/Master) from various areas such as engineering, law, philosophy, anthropology or other, with interest and insight into tech and the financial sector.

More info: [Here](#)

17 - 21, October 2022; 9:00 AM – 10:00 AM (SGT)
IEEE International Symposium on Mixed and Augmented Reality (ISMAR) is the premier conference for Augmented Reality, Mixed Reality, and Virtual Reality. Every year, ISMAR attracts a large number of world leading researchers from both academia and industry. First time in Southeast Asia, the 21st ISMAR will be held here in Singapore.

For more info, please contact Prof Yiyu Cai
Conference website: [Here](#)
mail us at [nisth-events@ntu.edu.sg](mailto:nisth-events@ntu.edu.sg); Website: [www.nisth.ntu.edu.sg](http://www.nisth.ntu.edu.sg)