

## TOPIC OF INTEREST: CIRCULAR ECONOMY

**Circular Economy:** is an economic system of closed loops in which raw materials, components and products lose their value as little as possible, renewable energy sources are used and systems thinking is at the core.

**#DYK:** An estimated 80% of a product's environment impact is determined at the design stage

**#nisthfellows** working in fields related to Circular Economy are many, to name a few: Madhavi Srinivasan, S Viswanathan, Sonny Rosenthal, Shane Snyder, Pooi See Lee, Galina Mihaleva and Monamie Haines

### #nisthreads:

- [Effects of bin proximity and informational prompts on recycling and contamination](#) (Sonny Rosenthal)
- [A review on the recycling of spent lithium-ion batteries \(LIBs\) by the bioleaching approach](#) (Madhavi Srinivasan)
- [Sustainable wearable energy storage devices self-charged by human-body bioenergy](#) (Pooi See Lee)
- [Formation and control of disinfection by-products from iodinated contrast media attenuation through sequential treatment processes of ozone-low pressure ultraviolet light followed by chlorination](#) (Shane Snyder)

More details on our social media platforms this week:



## NISTH EVENTS



**NISTH ThinkOut: Citizen Participation for Smart City Governance**, was held on the 5<sup>th</sup> of July. If you missed the webinar, you can now listen and watch the recording of the webinar on our [YouTube](#) and [Podcast](#) channels.

The event was jointly organised by NISTH and the DesignLab, at the University of Twente (UT), Netherlands. The panellists included, Prof Peter-Paul Verbeek and Dr Sabine E. Wildevuur, from UT, Dr Natalie Pang (UNESCO Inclusive Lab, NUS) and **NISTH Fellow & Assoc Director, Assoc Prof Hallam Stevens**. It was moderated by, **NISTH Director, Prof Vanessa Evers**.

## EVENTS WITH NISTH FELLOWS



**26 July 2021; 9:00 PM**

**Climate for Change (Season 2): 'Closing the Loop or Circular Economy'**, is a Channel News Asia (CAN) documentary series. The next episode to be aired, features, **NISTH Fellow, Prof Madhavi Srinivasan**, as she discusses e-waste recycling in Singapore, specifically focussing on Lithium-ion batteries recycling. She also talks of her close collaboration with the French Alternative Energies and Atomic Energy Commission (CEA), and the joint NTU lab, Singapore CEA Alliance for Research in Circular Economy (SCARCE).

Watch it on [CNA Insider!](#)

## OTHER EVENTS



**21 - 23 July 2021; 8:00 PM – 12:00 AM**

**Second United Nations Open Science Conference: From Tackling the Pandemic to Addressing Climate Change**, is organized by the Department of Global Communications, Dag Hammarskjöld Library and the Department of Economic and Social Affairs, Division of Sustainable Development Goals. The conference will bring the global discussion on the connections between Open Science and Climate Action to the United Nations in New York and will highlight national and IGO policies, and Open Science initiatives and infrastructures from around the world.  
**Register:** <https://www.un.org/library/OS21>



**10 September 2021; Applications deadline: 25 July 2021**

**Falling Walls Lab**, is a platform to pitch innovative ideas in just 3 minutes, showcasing breakthrough that creates a positive impact on science and society. Open to all students, entrepreneurs, early-career researchers & academics of all disciplines. To apply go to <https://falling-walls.com/lab/apply>  
**More details at:** [Here](#)

## GRANT / CHALLENGE CALLS

For assistance in identifying research partners, email us at [NISTH-research@ntu.edu.sg](mailto:NISTH-research@ntu.edu.sg)



**SCS Cancer Research Grant 2021 (26 July – 6 August 2021)**

**Applications deadline: 28 July 2021**

Selection criteria for funding will be based on Relevance of research topic to SCS programs and services; Scientific Merit of Project; Track record of Principal investigator and study team; Feasibility of Project to successful completion Reasonableness of budget requested. The research areas include: Cancer prevention and screening; Cancer survivorship; Palliative care; Psychosocial and spiritual aspects related to cancer; Health communication; Health service program and Clinical research

**More details at:** <https://www.singaporecancersociety.org.sg/about/cancer-research.html>



**Abu Dhabi – Singapore Smart Cities Open Innovation Challenge 2021**

**Applications deadline: 29 July 2021, 4.00pm**

This challenge is co-organised by Enterprise Singapore, Abu Dhabi Investment Office and IPI on six challenge statements from the Middle East. It brings together some of Abu Dhabi's esteemed organisations to collaborate with innovative startups and SMEs in Singapore. It invite you to showcase your innovative smart city solutions.

**More details at:** <https://www.eventbrite.sg/e/abu-dhabi-singapore-smart-cities-open-innovation-challenge-2021-tickets-151755844817?aff=IPI>

Email 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)