



SC3DP OPEN HOUSE 2023

8 June 2023, Thursday



SEMINAR


 The Arc, Lecture Theatre,
LHN-LT, Level B1

 10.00am – 3.30pm



LAB VISIT

 The Arc, Level B3 & B4

 Academic Building North,
ABN, Level B4

 10.00am – 3.00pm

The Singapore Centre for 3D Printing, a world leading research centre on Additive Manufacturing invites you to our Open House, where you can interact with our research community to understand our research activities and contributions to the community.

The Open House comprises of visits to some of our research laboratories and a set of exciting short seminars on the leading-edge applications of Additive Manufacturing.

SEMINAR PROGRAMME

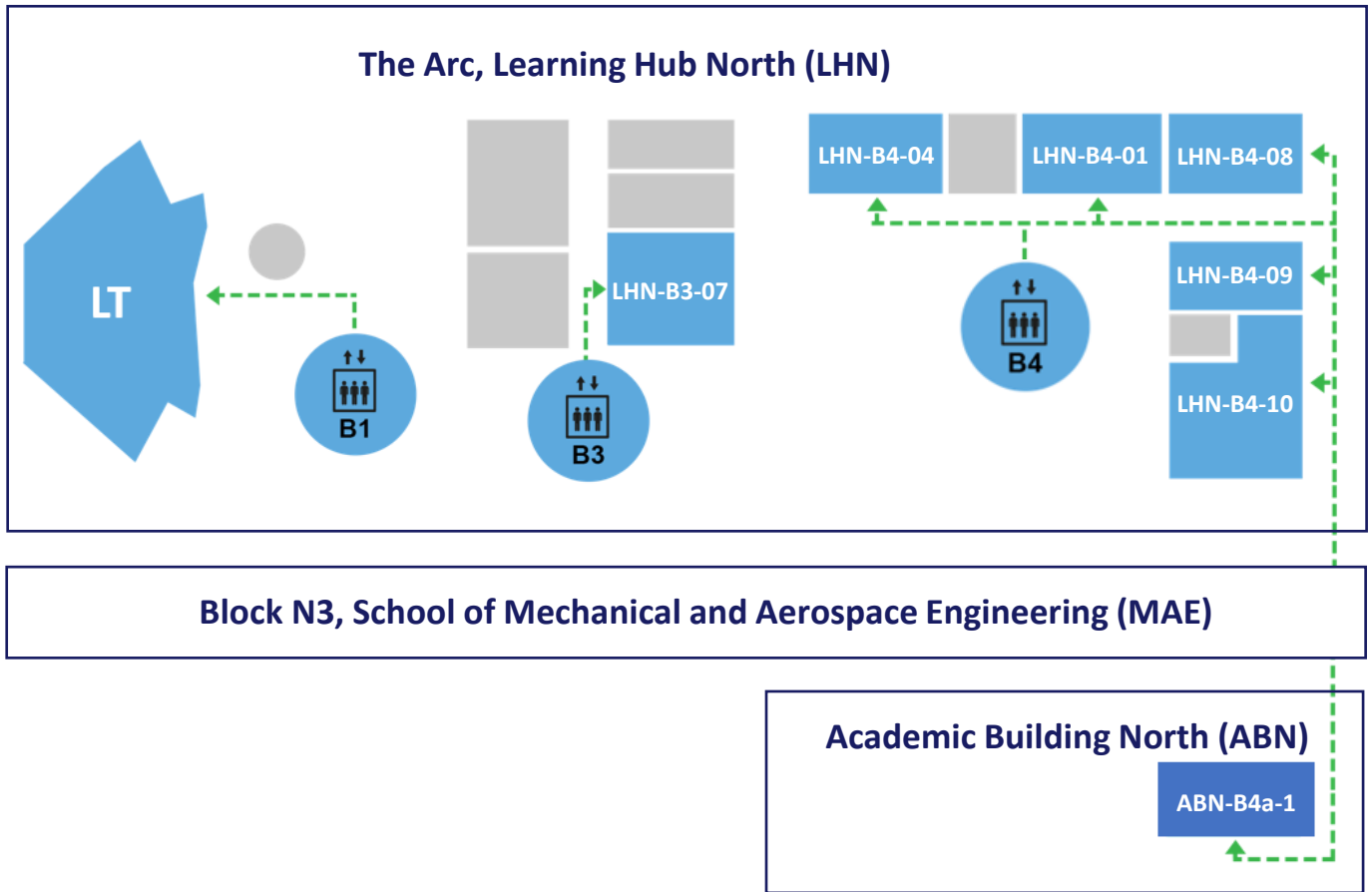
MORNING SESSION

Time	Programme
10.00am - 10.30am	Welcome Address
10.30am - 10.45am	What if... Michelangelo is a modern-day engineer? William Toh
10.45am - 11.00am	3D Concrete Printing on moon Geng Zifan
11.00am - 11.15am	Underwater 3D printing - A New Path to M&O Manufacturing Li Boyuan
11.15am - 11.30am	Can Everything Be 3D Printed? Park Seongje
11.30am - 11.45am	Can We Print an Organ? Cian Vyas
11.45am - 12.00pm	AI Unleashes 3D Printing Magic Chen Chengxi

AFTERNOON SESSION

Time	Programme
1.30pm - 2.00pm	Welcome Address
2.00pm - 2.15pm	Can We Print (Veggie) Burger? Ng Wei Long
2.15pm - 2.30pm	Out of This World: Can We 3D Print in Space? Tran Van Thai
2.30pm - 2.45pm	How to Print in the Human Body? Boyang Huang
2.45pm - 3.00pm	How Additive Manufacturing Revolutionizes M&O Industry? Chen Ze
3.00pm - 3.15pm	How Self-Healing Concrete is Changing the Face of Modern Architecture? Lu Bing
3.15pm - 3.30pm	3D Printing of Smart Shape-Morphing Structures for Intelligent Robots Yang Xudong

NAVIGATION MAP



LAB TOUR PROGRAMME

During the lab tour you would get to see live demonstrations, 3D printers in operation, exciting new machines being developed and computational tools showing the wide range of activities conducted at the centre.

Our researchers will showcase remarkable 3D printed products and parts for medical applications, aerospace components, 3D printed drones in action, large parts for building and construction and smart products that react to the environment.

Guidelines for visiting the lab:

1. Visitors are to follow the rules and instructions in the lab.
2. Visitors are required to wear covered shoes when entering the lab.
3. Visitors are not allowed to consume/dispose food or drink within the lab.
4. Visitors are not to touch anything in the lab.
5. Children must be accompanied by adult.
6. There will be capacity in each lab due to safety.

LAB VISIT INFORMATION



Aerospace & Defence

Highlights: Drone in action, smart wings

Location: LHN-B4-10

Lab Capacity: 15

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Bio Manufacturing

Highlights: Live demos, tissue printing and food printing, medical devices

Location: LHN-B4-04

Lab Capacity: 10

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Building & Construction I

Highlights: Live demos, mobile printers, large construction products

Location: LHN-B4-10

Lab Capacity: 15

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Building & Construction II

Highlights: Large scale printing demo, new construction materials

Location: ABN-B4a-1

Lab Capacity: 10

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Marine & Offshore

Highlights: Live demos and large marine components

Location: LHN-B4-09

Lab Capacity: 10

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Design for Additive Manufacturing

Highlights: Innovative automotive components and printed parts for the Moon Gallery (the first museum in the space)

Location: LHN-B4-01

Lab Capacity: 10

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Future of Manufacturing

Highlights: Live demos, smart materials and manufacturing, artificial intelligence application

Location: LHN-B4-08

Lab Capacity: 10

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30



Electronics

Highlights: Live demos, 3D printed radio, flexible and transparent electronics

Location: LHN-B3-07

Lab Capacity: 10

10:00 10:30 11:00 11:30 12:00

12:30 13:00 13:30 14:00 14:30