



SCF2016 RESEARCH LABS TOUR

Monday, 14 March 2016 (revised)

TOUR SCHEDULE:

TIME	ACTIVITY
8:30am	All tour participants staying at Hotel Jen Tanglin to gather at the hotel lobby 10 minutes before 8:30am. Bus will leave at 8:30am for Fusionopolis.
8:45am	All other tour participants to meet at Fusionopolis (Connexis SouthTower) at the main entrance lobby facing Ayer Rajah Avenue. You will see a Starbucks Café there.
9:00am	Depart for National University Of Singapore. Bus will leave at 9:00am sharp.
9:30am – 10:30am	Singapore Synchrotron Light Source (SSLS) ¹ Note ¹: SSLS Lab requires all participants to wear closed toe shoes
11:00am – 12:00pm	A*STAR Computational Resource Centre (A*CRC) & National Supercomputing Centre Singapore (NSCC) Data Centres
12:00pm – 1:00pm	Lunch at A*CRC
1:15pm – 2:00pm	Advanced Digital Sciences Centre (ADSC)
2:45pm – 3:30pm	Earth Observatory of Singapore (EOS), Nanyang Technological University
4:15pm – 5:00pm	Future Cities Lab
5:30pm – 6:00pm	End of Tour. Drop off at Fusionopolis. Guests staying at Hotel Jen Tanglin will be dropped off at their hotel.

ABOUT THE LABS

Singapore Synchrotron Light Source (SSLS)

The Singapore Synchrotron Light Source, SSLS, comprises a compact superconducting storage ring with 700 MeV electron energy and 4.5 Tesla magnetic field to produce synchrotron radiation with a characteristic photon energy of 1.47 keV and characteristic wavelength of 0.845 nm. The useful X-ray spectrum extends from about 10 keV down to the far infrared at wave numbers of less than 10 cm⁻¹. While the flux is maximum in the soft X-ray and adjacent harder X-ray range, the roll off to harder photons is such that 10 keV is considered a practical limit, depending on the requirements of a specific experiment. At the other end of the spectrum, in the far infrared, the edge effect is used, that is, the source point is chosen at about half of the maximum bending field in the entrance region of one of the two superconducting dipoles and will provide high flux and brilliance throughout the whole infrared spectral range.



SSLS is a University-level Research Centre at the National University of Singapore, under the office of the [Deputy President \(Research & Technology\)](#), with activities involving local and international groups from many universities, research institutes, and industry. Since SSLS was commissioned in the year 1999, its scope of activities has evolved and broadened as the number of beam lines and users has increased. It currently has a R&D program featuring micro/nanofabrication, a variety of analytical applications, and the development of advanced synchrotron radiation instrumentation.

Advanced Digital Sciences Centre (ADSC)

The Advanced Digital Sciences Center (ADSC) is a University of Illinois research center in Singapore. Founded in 2009, ADSC is funded by a grant from Singapore's Agency for Science, Technology and Research (A*STAR). ADSC benefits from combining the depth and breadth of expertise and resources provided by Illinois' College of Engineering with the unique research opportunities available in the vibrant Asian urban environment of Singapore. At ADSC, Illinois Computer Science and Electrical and Computer Engineering faculty lead research projects that focus on interactive digital media, the smart grid and more.

Earth Observatory of Singapore (EOS)

The Earth Observatory of Singapore conducts fundamental research on earthquakes, volcanic eruptions, tsunamis and climate change in and around Southeast Asia, towards safer and more sustainable societies.

Future Cities Lab

The Future Cities Laboratory (FCL) is a transdisciplinary research programme focused on sustainable urbanisation on different scales in a global perspective, laying the foundation for a new form of urban studies programme. FCL is co-initiated by the ETH departments of Architecture (DArch) and Civil Engineering (DBaug). It is the first research programme of the Singapore-ETH Centre for Global Environmental Sustainability (SEC). It is home to a community of over 100 PhD, postdoctoral and Professorial researchers working on diverse themes related to future cities and environmental sustainability.

The general principles of sustainable, equitable and vibrant development for cities are well known. They are the basis of such documents as the report of the World Commission on Environment and Development, the Global Agenda 21, and the United Nations Millennium Goals. Achieving the ambitious goals set out in these documents involves appreciating both the threats that cities pose to social equity and environmental sustainability, and the potential they contain to innovatively respond to such threats. More specifically, we ask: how might cities be designed, produced, managed, maintained, and inhabited in a way that supports the aims of global sustainability? The Future Cities Laboratory is committed to addressing both the wider threat and potential of the contemporary city, and the specific implications of this question through a transdisciplinary frame.



TOUR PARTICIPANTS:

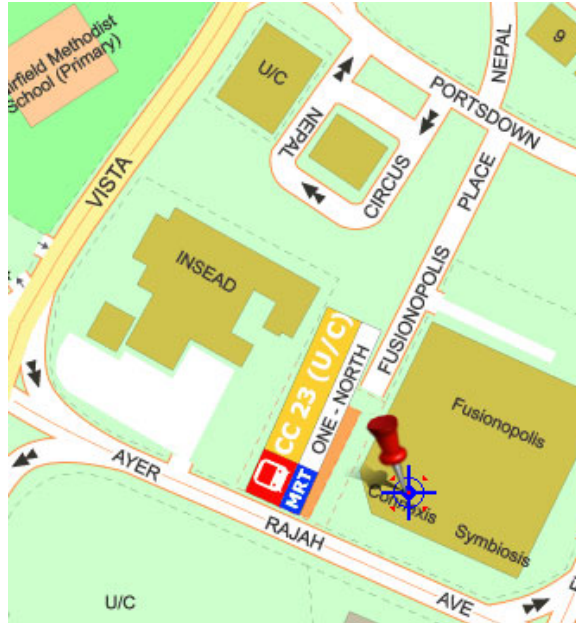
No.	First Name	Last Name	Company
1	David	Kahaner	ATIP
2	Dadabhai	Singh	CloudSeq Pte Ltd
3	Verdi	March	Deep Labs
4	Akira	Mantani	Fujitsu Limited
5	Masahiko	Yamada	Fujitsu Limited
6	Srinivas	Aluru	Georgia Institute of Technology
7	Piotr	Bala	ICM University of Warsaw
8	Marek	Niezdgodka	ICM, University of Warsaw
9	Seetha Rama Krishna	Nookala	Intel Technology India Pvt Ltd.
10	Siew Hoon	Leong	Leibniz Supercomputing Centre
11	Matt	Grimm	Micron Technology Inc.
12	Indranil	Roy	Micron Technology Inc.
13	Terrence	Leslie	Micron Technology Inc.
14	Dmitry	Nikitenko	Moscow State University
15	Meng	Guo	National Supercomputer Center in Jinan
16	Junhong	Wang	National University of Singapore
17	Eng Hee	Yeo	National University of Singapore
18	Munirah	Abdullah	Oaas System Sdn Bhd
19	Khairul Nizam	Abd Halim	OaaS Systems Sdn Bhd
20	Gim Leong	Chin	Performance Computing LLP
21	John	Feo	Pacific Northwest National Laboratory
22	Thomas	Sohmers	REX Computing
23	Shin Yee	Chung	SpeedGo Computing
24	Michael	Krajecki	Université de Reims Champagne-Ardenne
25	Jaroslav	Nabrzyski	University of Notre Dame
26	Mircea	Stan	University of Virginia
27	Rajat	Moona	Centre for Development of Advanced Computing (CDAC)
28	Sanjay	Wandhekar	Centre for Development of Advanced Computing (CDAC)
29	Goldi	Misra	Indian Institute of Science Education and Research (IISER)
30	N	Balakrishnan	Indian institute of Science (IISc)
31	Sanjib	Senapati	Indian Institute of Technology Madras (IITM)
32	Atul	Vidwansa	DataDirect Network



MEETING POINT ADDRESS

Main entrance lobby of Connexis Tower in the Fusionopolis complex. The entrance is located at the taxi stand of Fusionopolis located on Ayer Rajah Avenue, next to INSEAD.

MRT Station: Located above One North MRT Station.



CONTACT NUMBERS:

Conference Organiser: Denise Leicester +65 9791 3943

Tour Chaperones:

Name	Contact
Tan Geok Lian	+65 8181 7814
Dominic Chien	+65 8175 9263

SECURITY CLEARANCE:

As part of the security clearance procedures of A*STAR, you are required to present a **photo ID such as your passport, Singapore Identity Card or driver’s license with photo** etc for verification purposes on the day of the tour.

Please email your ID number to Denise – denisebl@acrc.a-star.edu.sg