

Singapore's Smart Nation Initiatives



Singapore's Smart Nation Initiatives

“We will make Singapore a Smart Nation: Enabling safer, cleaner and greener urban living, more transport options, better care for the elderly at home; more responsive public services and more opportunities for citizen engagement.”

- President Tony Tan



“Singapore has the unique opportunity to be the world’s first smart nation, where any parts of Singapore can be connected to different parts of Singapore.”



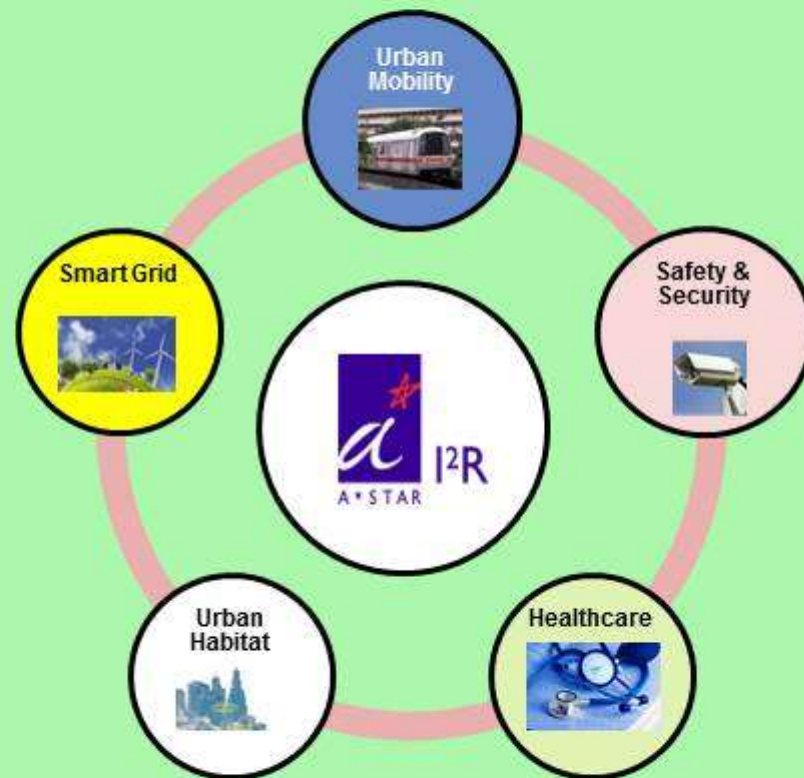
- Steve Leonard, Executive Deputy Chairman

Whole of Government Whole of I²R for Smart Nation

IDA's Smart Nation Vision



I²R's Smart Nation Thrusts





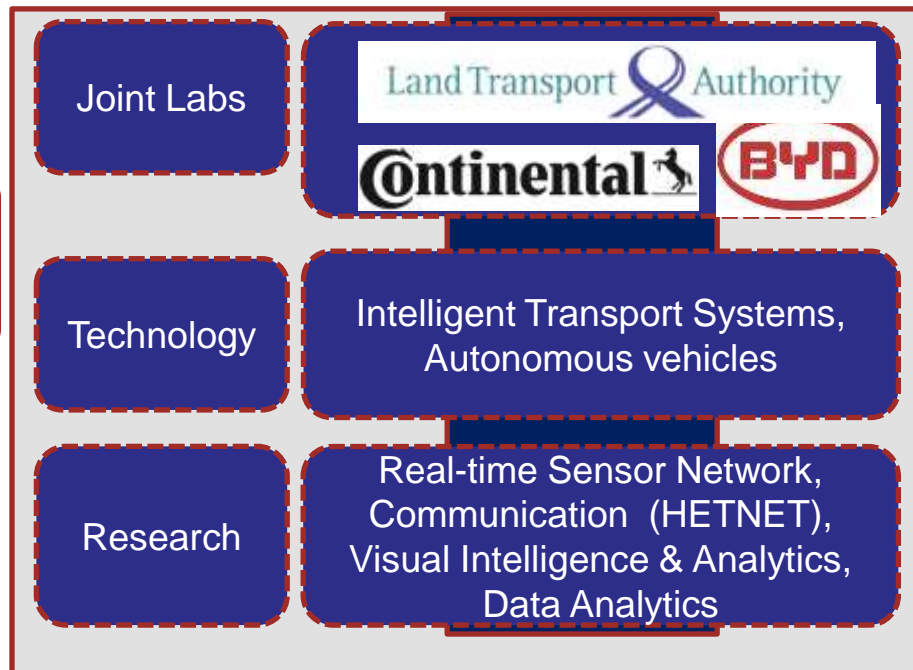
Building Capabilities through Whole-of-I²R

Urban Mobility Research Centre (UMRC)



**UMRC Director:
Dr Lee Shiang
Long**

To dedicate
capacity and steer
our
Urban Mobility
R&D&C Strategy
and Roadmap



Strengthening Scientific Partnerships

- Working with local and overseas IHLS

Overseas IHLS



Imperial College
London



Local IHLS



Strengthening Scientific Partnerships

- Working with local and overseas research entities

Overseas Research Entities



FRENCH
National Centre for
Scientific Research



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



ITRI
Industrial Technology
Research Institute



Local Research Entities



Strengthening Industry Partnerships



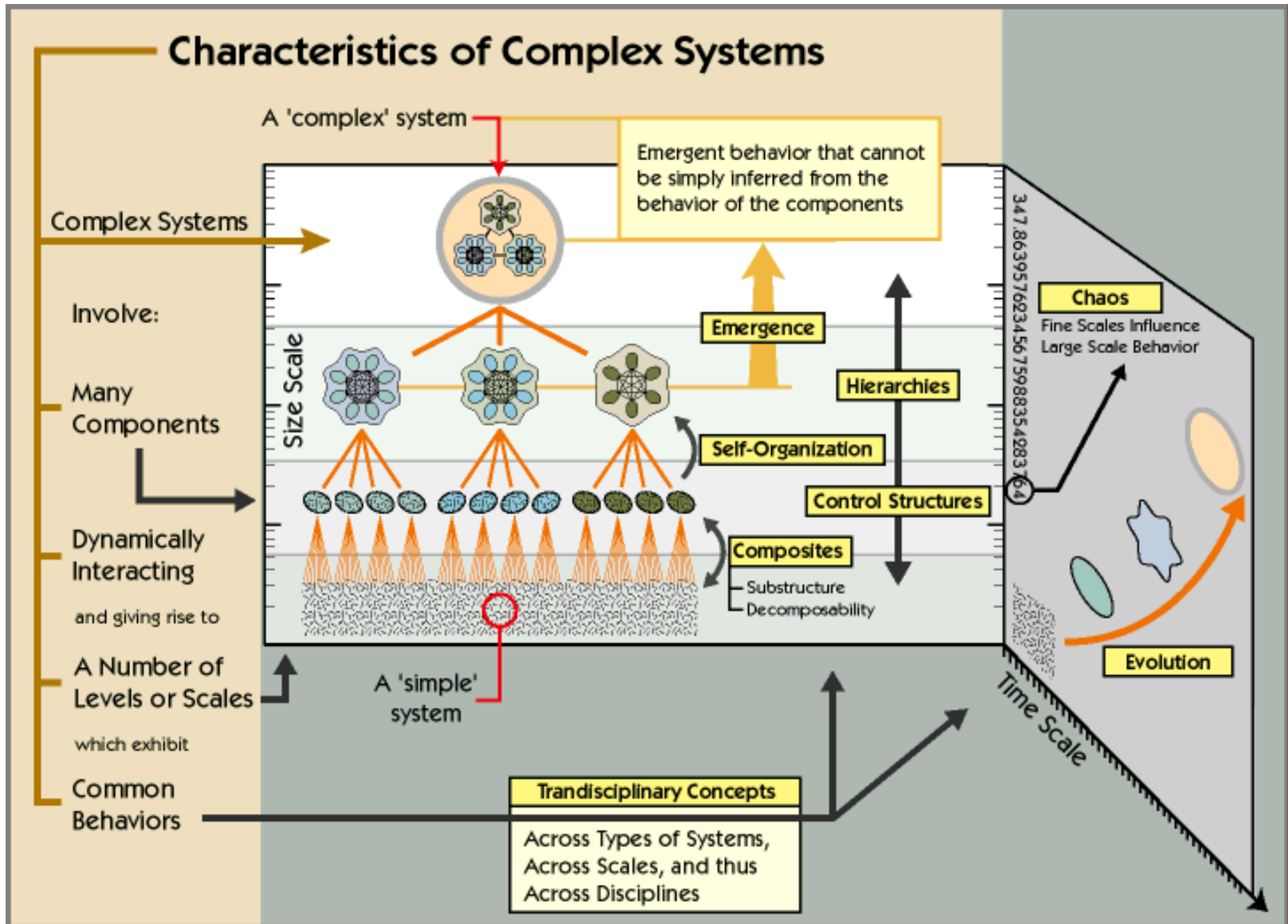


Making Sense of the Complex System

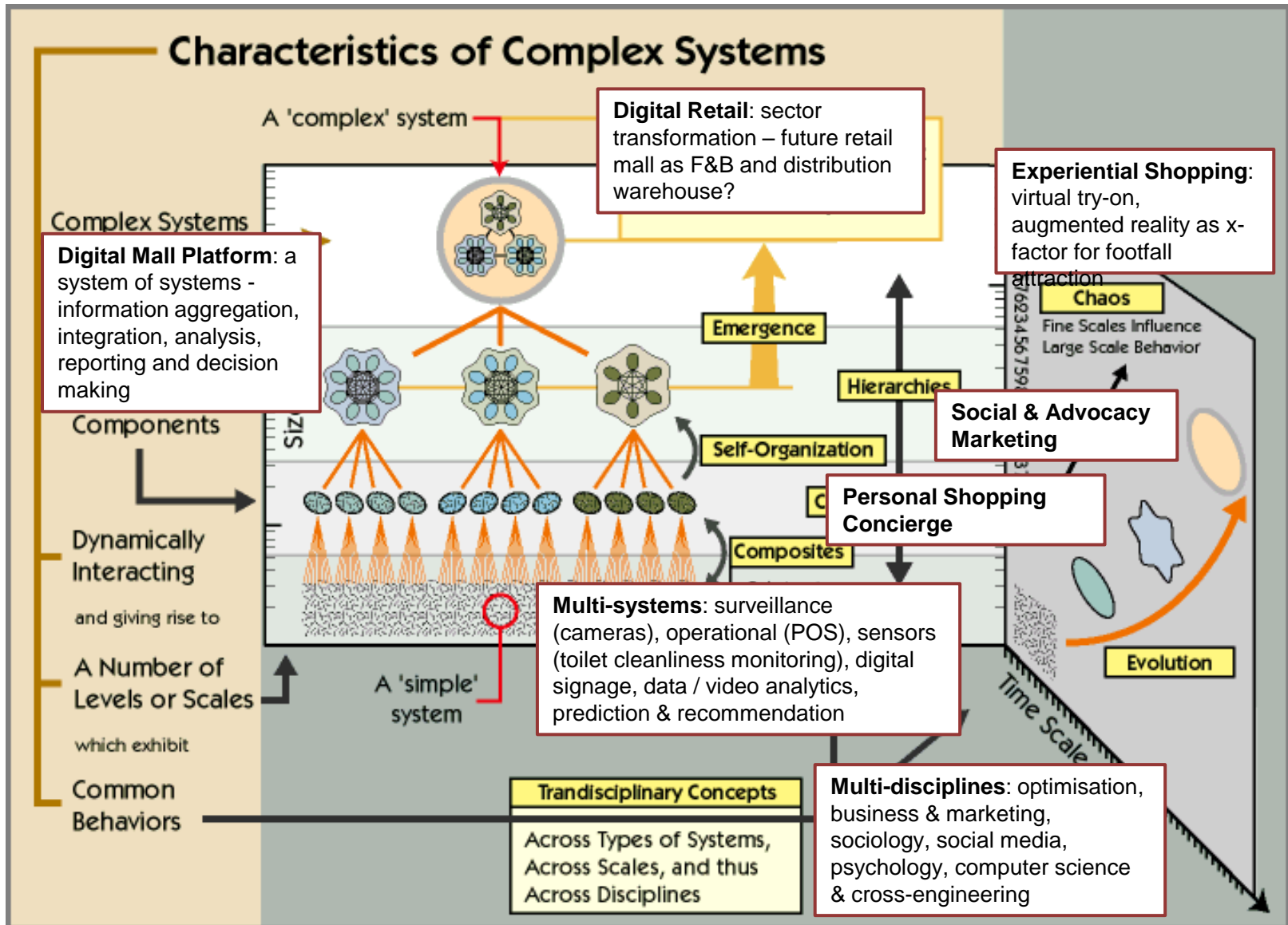
ICT as a Complex System

- Computing has been the main enabling technology that has radically changed the economy over the last 50-years.
- Computing has entered a new and important phase in its history due to fast paced evolution and disruptions happening right now.
- One of the key challenges ahead is mastering parallelism, concurrency, and heterogeneity on all level from hardware, system software, services, and to applications.

Complex System



Example of Complex System : I²R Digital Retail





Institute for
Infocomm Research

Online:

www.i2r.a-star.edu.sg

www.facebook.com/i2r.research

RESTRICTED