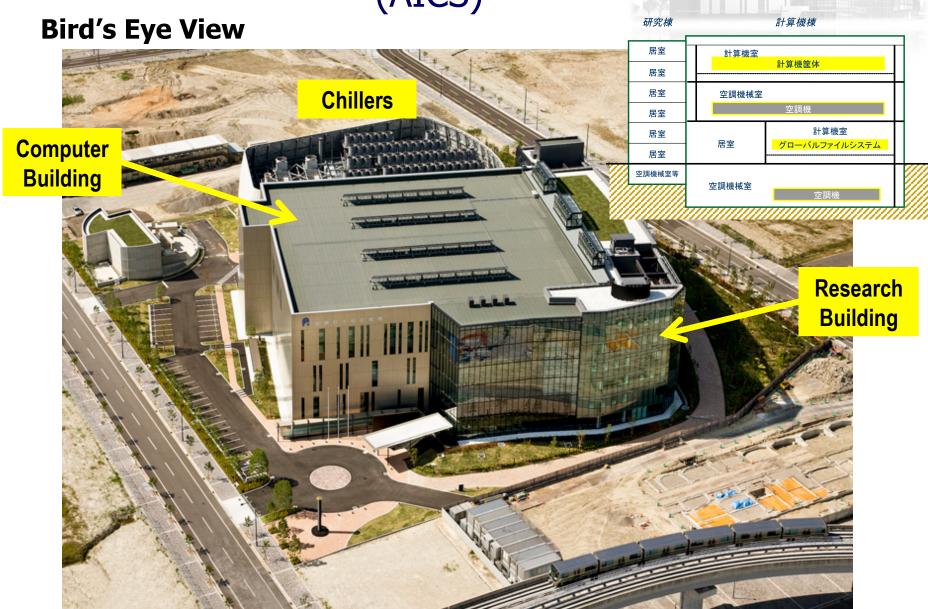


Yutaka Ishikawa
University of Tokyo
Leader of System Software Research Team at AICS





Inside the buildings

Computer room (3F)



Making a double floor







- The institute was established at the NGS in Kobe
 - Operation division
 - Research division
 - 8 research teams are now organized

Objectives:

- Take responsibility to run the NGS
- Carry out the leading edge of computational science technologies and contribute for COE of computational science in Japan
- Propose the future directions of HPC in Japan and conduct it.

Topics

- Promoting strong collaborations between computational and computer scientists, working with core-organizations of each fields together.
- Fostering young scientists who exploit both computational and computer science
- Research for new concepts for HPC in the future after the NGS (this is, exascale?)

http://www.aics.riken.jp/

Research Teams



Computational Science

- 5 research teams
 - Life science/drug, new material/energy, climate/disaster, manufacturing technology, origin of matters, genome informatics, ...

Computer Science

- 5 research teams
 - System Software, Yutaka Ishikawa (University of Tokyo)
 - Programming Environment, Mitsuhisa Sato (University of Tsukuba)
 - Processor, Makoto Taiji
 - Parallel Algorithms and Numerical Libraries
 - Large Data Processing

How to organize users of NGS

- Strategic Use: MEXT selected 5 strategic fields from national viewpoint.
 - Field 1: Life science/Drug manufacture
 - Field 2: New material/energy creation
 - Field 3: Global change prediction for disaster prevention/mitigation
 - Field 4: Mono-zukuri (Manufacturing technology)
 - Field 5: The origin of matters and the universe
 - MEXT Funds 5 core organizations that lead research activities in these 5 strategic fields
- General Use:

The use for the needs of the researchers in many science and technology fields including industrial use and educational use

