



# Indian Institute of Technology Hyderabad

Ordinance Factory Campus  
Yeddumailaram 502205, AP

## Hitachi Expert Lecture Series @ IIT Hyderabad

### Hitachi Lectures 5 & 6 (March 31, 2010)

#### Main Lecture Hall, IITH

Speaker: Akira Fujibayashi  
Affiliation: Director, 8<sup>th</sup> Research Department, Systems Development  
Laboratory, Hitachi Ltd

**Lecture 5: Information Storage – Part I** 1500 – 1630 hours

**Lecture 6: Information Storage – Part II** 1700 - 1830 hours

*Abstract – Along with diversification of information handled by IT systems and rapid growth of digital data in our life, Demands for higher capacity, higher performance, cost-effective and reliable information storage are increasing. These lead the evolution of information storage technology.*

*First session, we trace the history of information storage and take a look at the overview of hard disk drive technology and RAID technology.*

*And along with the development of information systems, the amount of data that is stored in the system has increased. Then the challenge is to reduce the cost of the management and control of many distributed storage systems and to improve capacity utilization. SAN (Storage Area Network), Networked Storage and Storage Virtualization are major technologies to meet the challenge.*

*Second session, we take a look at the overview of SAN (Storage Area Network) & Networked Storage and Storage Virtualization technologies.*

#### Speaker Profile

Akira Fujibayashi, Director, 8<sup>th</sup> Research Department, Systems Development Laboratory, Hitachi Ltd

Masters degree in Mechanical Engineering for Production, Tokyo Institute of Technology

Joined the Central Research Laboratory (CRL), Hitachi, Ltd. in 1994

Involved in research and development of enterprise storage system since 1995

Member of the Information Processing Society of Japan (IPSJ)

#### Agenda – March 31, 2010

1445 hours	Hitachi team arrives in IITH
1445 – 1500 hours	Welcome and Tea with IITH Faculty
1500 – 1505 hours	Welcome by Dr. Raja Banerjee
1505 - 1630 hours	Lecture 5 (Mr. Akira Fujibayashi)
1630 – 1700 hours	Tea and informal discussion
1700 – 1830 hours	Lecture 6 (Mr. Akira Fujibayashi)
1830 – 1845 hours	Memento for Speaker