

Microsoft  
**Research**



Microsoft Research Asia  
**Faculty Summit 2012**



# Cloud Futures Breakout Session

Steve Yamashiro and Dennis Gannon  
October 27, 2012

환영 欢迎  
歡迎 歡迎  
Welcome



Microsoft  
Research





# Breakout Session Overview



Dennis Gannon, Microsoft Research  
The Cloud for Science project at Microsoft Research



Yuanchun Zhou, Chinese Academy of Sciences  
Cloud Computing Technology in Scientific Research



Daisuke Kawahara, Kyoto University  
Deep Natural Language Processing for Improving a Search Engine using  
Cloud Computing



Li-Chun Wang, National Chiao Tung University  
An Efficient Meet-Up Mechanism by Mashing-up Social, Mobile Clouds



Hengming Zou, Shanghai Jiao Tong University  
Cloud Computing Curriculum in SJTU



Joe Chou, China Cloud Innovation Center, Microsoft (China) Co., Ltd  
Azure Cloud in China Cloud Innovation Center

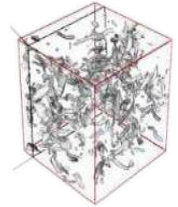
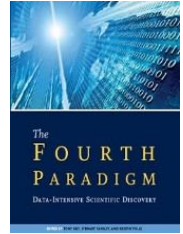


# Agenda

Time	Description
9:00– 9:10	Opening and Introduction
9:10 – 9:40	The Cloud for Science project at Microsoft Research Dennis Gannon, Microsoft Research
09:40-10:10	Cloud Computing Technology in Scientific Research Yuanchun Zhou, Computer Network Information Center
10:10-10:40	Deep Natural Language Processing for Improving a Search Engine using Cloud Computing Daisuke Kawahara, Kyoto University
10:40-11:00	Break
11:00-11:30	An Efficient Meet-Up Mechanism by Mashing-up Social, Mobile Clouds Li-Chun Wang, National Chiao Tung University
11:30-12:00	Cloud Computing Curriculum in SJTU Hengming Zou, Shanghai Jiao Tong University
12:00-12:30	Azure Cloud in China Cloud Innovation Center Joe Chou, China Cloud Innovation Center, Microsoft (China) Co., Ltd
12:30	Wrap-up

# The Cloud Opportunity

- Every area of science is now engaged in data-intensive research
- Support *research data services* that are
  - Open and extensible
  - Easily accessed by simple web analysis application
  - Encourages scientific collaboration
  - Allows scientific analysis using public / private clouds
- **Cloud Futures Workshops** presented what is possible; started from 2010
  - New methods of cloud research to solve challenges in diverse areas e.g. CS, engineering, earth sciences, education, etc.
  - Shared practical experiences, experimental results, and visions.



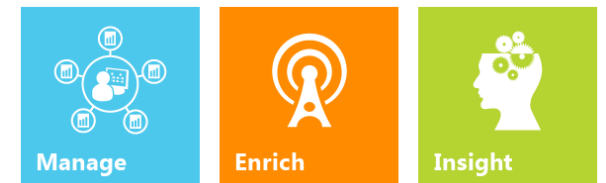
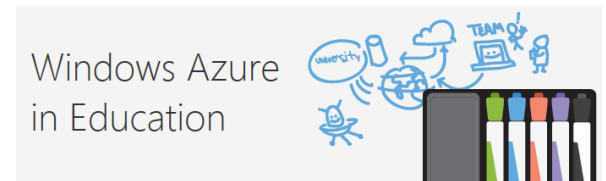
$$\left(\frac{\dot{a}}{a}\right)^2 = \frac{4\pi G\rho}{3} - K\frac{c^2}{a^2}$$





# Wrap-Up

- Survey Form
- Resources
  - Windows Azure Education  
[www.windowsazure.com/education](http://www.windowsazure.com/education)
  - Windows Azure - Platform  
<http://www.windowsazure.com>
  - Microsoft Big Data  
[www.microsoft.com/bigdata/](http://www.microsoft.com/bigdata/)
  - Cloud Futures 2012 Workshop  
[research.microsoft.com/cloudfutures2012](http://research.microsoft.com/cloudfutures2012)



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