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Welcome to the first workshop on CCASNS

Content Creation Activity Support by
Networked Sensing

The slide features a background image of a person working at a computer with various data visualizations like graphs and charts overlaid.



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Workshop targets

- Share backgrounds and dreams of each attendees
- Discuss on future CCASNS

CCASNS for enhancing reliable relation among human being by expressing ourselves and sharing the expressions:
'All people are like cousins'

The slide features a background image of a person working at a computer with various data visualizations like graphs and charts overlaid.



Program(1/3)

13:00 - 13:10 Opening

13:10 - 14:00 Session 1 - Content Creation Chair: Miwa Fukino

- ** Content Creation Activity Support by Networked Sensing (CCASNS)
- ** A New Model of Content Re/Co-Creation in Massively Networked Society
- ** An Approach to Information Design: Co-development of Activity Design and Tool Design
- ** Content Creation on the Web: Mashing Up the Real World With the Internet
- ** Generating and Recomposing Contents using Networked Sensor Information



Program(2/3)

14:00 - 14:30 Session 2 - Web applications

- ** Workshop Reflector: an Interface for Reflecting Processes of Human Activities on Workshops
- ** Modulobe: A New 3D-Model Creation Platform for Complex Motion Design
- ** Social Creativity Supported by Sensing of Re-Creation Processes

14:30 - 15:00 Session 3 - User devices and data mining

- ** Location and Orientation Estimation Methods Using Networked Sensing
- ** Human Behavior Mining using Sensing Network
- ** Sensing and Making Sense: Collaborative Ethno-Methods of Content Creation

15:00 - 15:15 Break



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Program(3/3)

15:15 - 16:50 Workshop 'Future CCASNS'
Chief Facilitator: Takeshi Sunaga
Manager: Maiko Kobayakawa
Floor Facilitators: Tom Hope, Miwa Fukino, and Takuichi Nishimura
** Discussion on each theme(Group work)
** Presentations by each group

16:50 - 17:00 Closing
Takuichi Nishimura
Summarization and future plan

Casual dinner!



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Workshop organizing committee

- Takuichi Nishimura, AIST, Japan
- Satoshi Kurihara, Osaka University, Japan
- Miwa Fukino, Matsushita Electric Industrial Co., Ltd., Japan
- Yoshiyuki Nakamura, AIST, Japan



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Workshop program committee

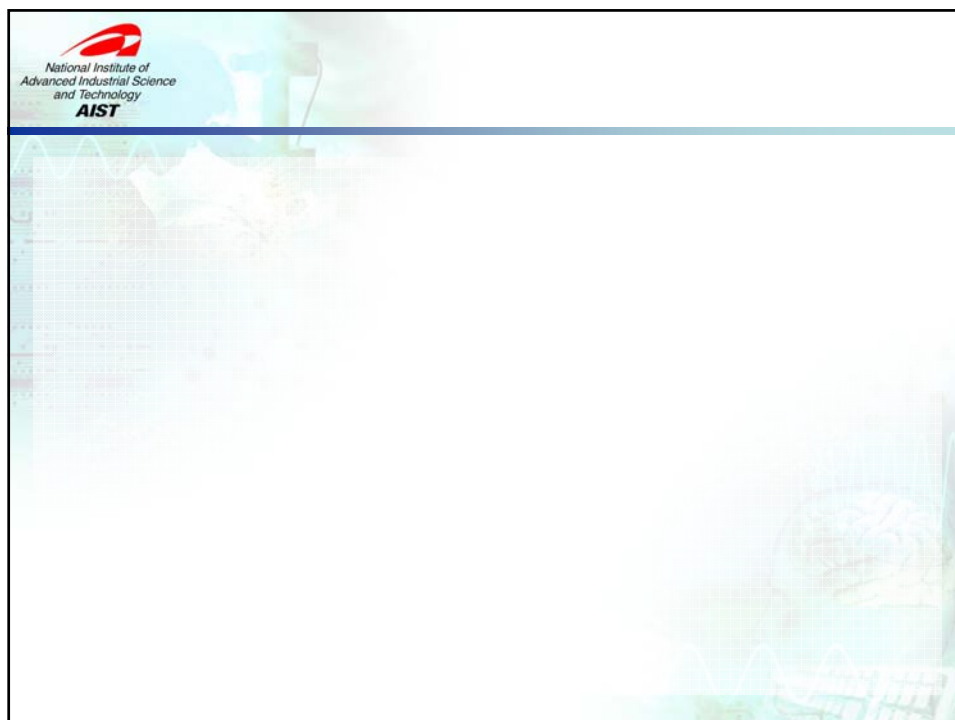
- Takeshi Sunaga, Tama Art University, Japan
- Shin Mizukoshi, The University of Tokyo, Japan
- Koichi Hori, The University of Tokyo, Japan
- Kosuke Numa, The University of Tokyo, Japan
- Hironori Tomobe, AIST, Japan
- Tom Hope, AIST, Japan
- Masahiro Hamasaki, AIST, Japan



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Enjoy presentations and discussing on
CCASNS!


In Beautiful and historical city Kanazawa



**Content Creation Activity Support
by Networked Sensing (CCASNS)**

Takuichi Nishimura¹, Satoshi Kurihara²,
Miwa Fukino³, and Yoshiyuki Nakamura⁴
^{1, 4} AIST, Japan.
² Osaka University, Japan.
³ Matsushita Electric Industrial Co., Ltd., Japan.


The image shows the AIST logo in the top left corner, which includes a red stylized 'A' and the text 'National Institute of Advanced Industrial Science and Technology AIST'. The background is a light blue and white grid with a faint image of a person sitting at a desk with a computer monitor. A data graph with a red line is overlaid on the left side of the grid.



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Outline

- Background
- NS changes CCAS?
- Content creation activities (CCA)
- CCA Support Systems
- CCA Support Platform



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Background


- Since born of mankind
 - Drawing, Music, Dance
 - Professionals: Artist, musician, dancer, etc.
 - Display: Contest, Museum, competition, etc.
- Recently
 - Combination of broadcast and communication
 - User Generated Content (UGC): Wikipedia, YouTube or Flickr.
 - ‘collective intelligence’, ‘wisdom of crowds’
 - ‘social creativity’



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People's expression


- Text (e.g., journals and poetry)
- Images (e.g., drawings, computer graphics and photographs)
- Sounds (e.g., clapping, singing, playing musical instruments)
- Videos (e.g., video-blogs of daily life)
- Combinations of these media with various annotations.



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NS changes CCAS?


- Networked sensing of social activities and situation
 - Real-world sensing(tangible interfaces, ubiquitous computing, or wearable computing)
 - Mining technologies: cyberspace such as webspaces or social networking services.
 - Automatic Annotation, help annotation



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Topics of interest

- Networked Sensing for user activity sensing
- Sensor data mining / Web mining
- Support systems for creative activities
- Design of cyber or real-world activities
 - Cultural programs and workshop programs
- User Study and Analysis for better system design
 - Cultural probes
 - Participatory design
 - Ethnography and video-bas




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Content creation activities

Interests of Dr. Fukino

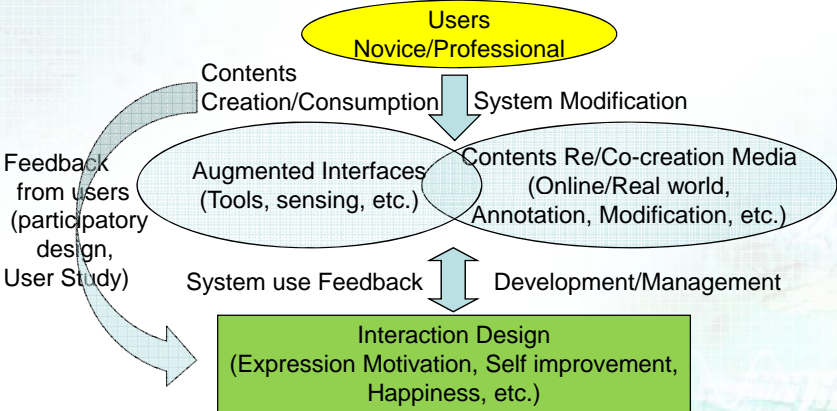
- Relationship between tool usability for CCA and expression capability
- What emotions accompany expression or appreciation?
- Ability to appreciate artworks
- Role of new media to pass “the way” (dou) onto others
- What kind of “way” (or “dou”) should a person engaged in CCA acquire?

 **CCA Support Systems**
Interests of Dr. Fukino


- What kind of Support?
- How to support CCA?
- When is appropriate?

 **Content Creation Activity Support Platform**

- The platform will support various functions; search, recommendation, transformation, fusion,




The diagram illustrates the Content Creation Activity Support Platform. At the top, a yellow oval represents 'Users (Novice/Professional)'. A downward arrow labeled 'Contents Creation/Consumption' leads to a central area containing two overlapping ovals: 'Augmented Interfaces (Tools, sensing, etc.)' on the left and 'Contents Re/Co-creation Media (Online/Real world, Annotation, Modification, etc.)' on the right. A downward arrow labeled 'System Modification' connects the Users to this central area. A double-headed vertical arrow labeled 'Development/Management' connects the central area to a green box at the bottom labeled 'Interaction Design (Expression Motivation, Self improvement, Happiness, etc.)'. A curved arrow labeled 'Feedback from users (participatory design, User Study)' loops from the central area back to the Users.



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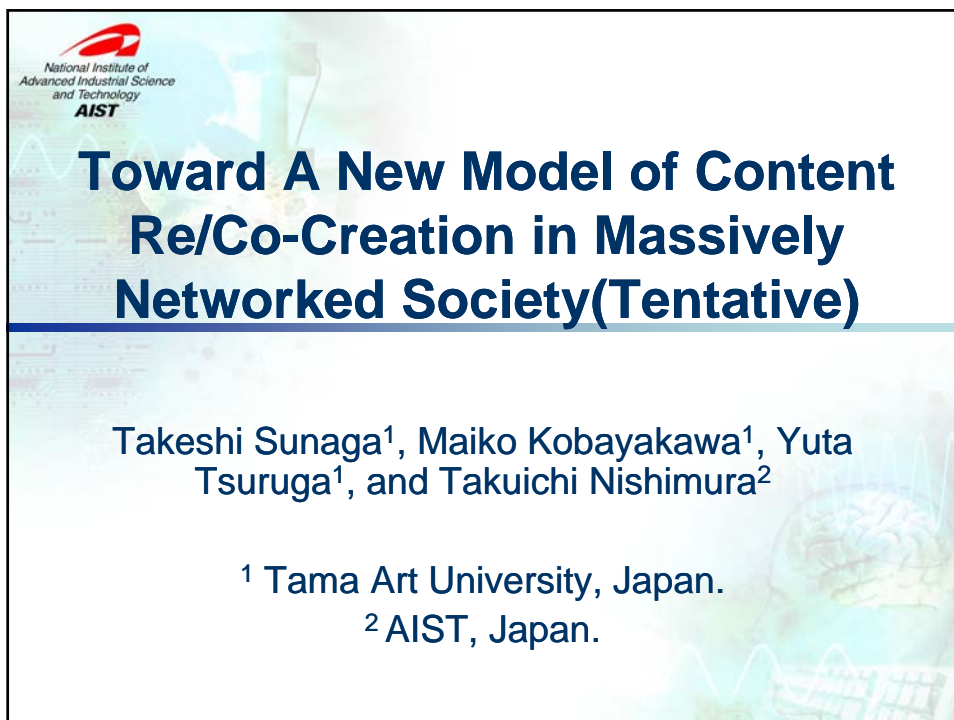
Summary


- Background
- NS changes CCAS?
- Content creation activities (CCA)
- CCA Support Systems
- CCA Support Platform



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- Thank you!

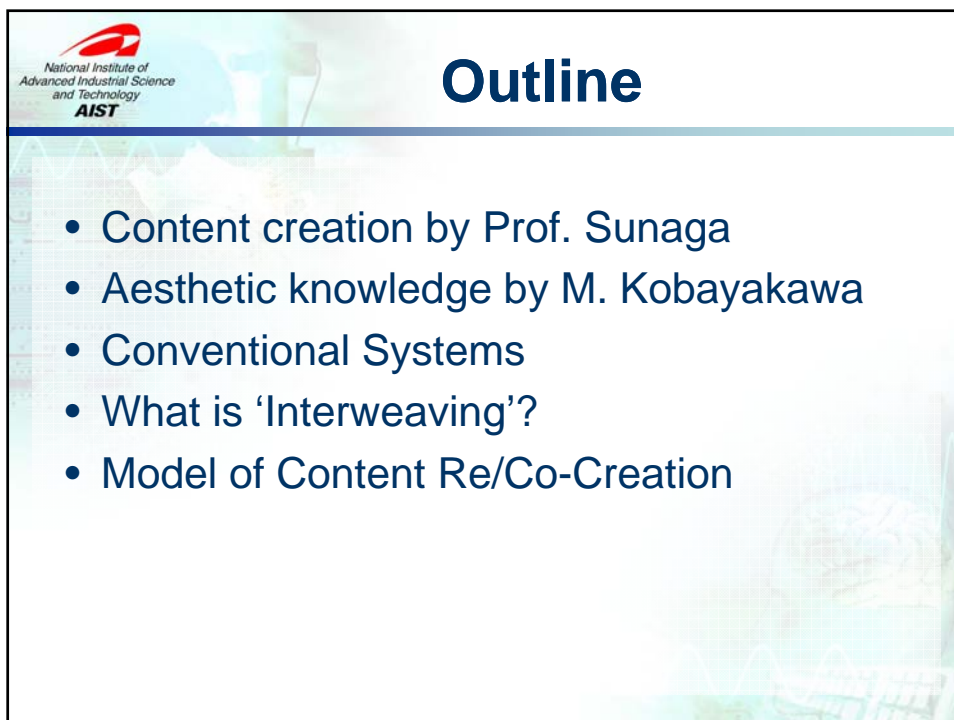




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Toward A New Model of Content Re/Co-Creation in Massively Networked Society(Tentative)

Takeshi Sunaga¹, Maiko Kobayakawa¹, Yuta
Tsuruga^{1,2}, and Takuichi Nishimura²


¹ Tama Art University, Japan.
² AIST, Japan.




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Outline


- Content creation by Prof. Sunaga
- Aesthetic knowledge by M. Kobayakawa
- Conventional Systems
- What is 'Interweaving'?
- Model of Content Re/Co-Creation



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Content creation


- Prof. Sunaga



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Aesthetic Theory


- Definition of Creation/Creativity
 - Value, New, Meaningful
- Stages of Creativity
 - Subjective, Objective, Absolute, Devine
- Important Attitude for Creativity
 - Question, Concentration, Mine, Cope with Tension, Renewal mind
- Process of creation
 - Encounter, Strength, Relation with the world
 - 1. inventio(main), 2. dispositio, 3. elocutio



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Conventional Systems

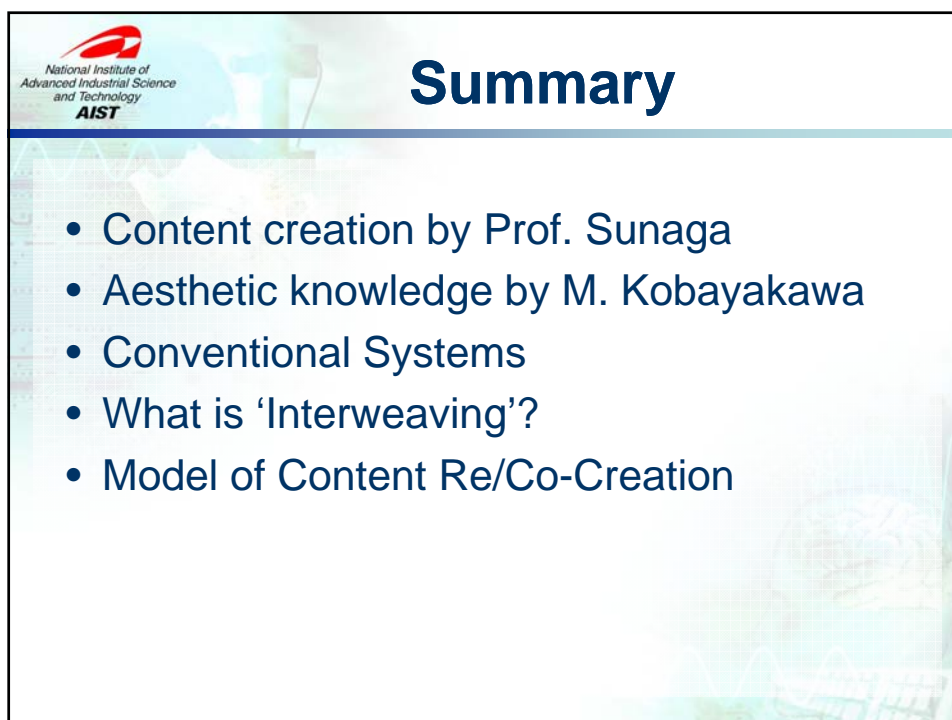
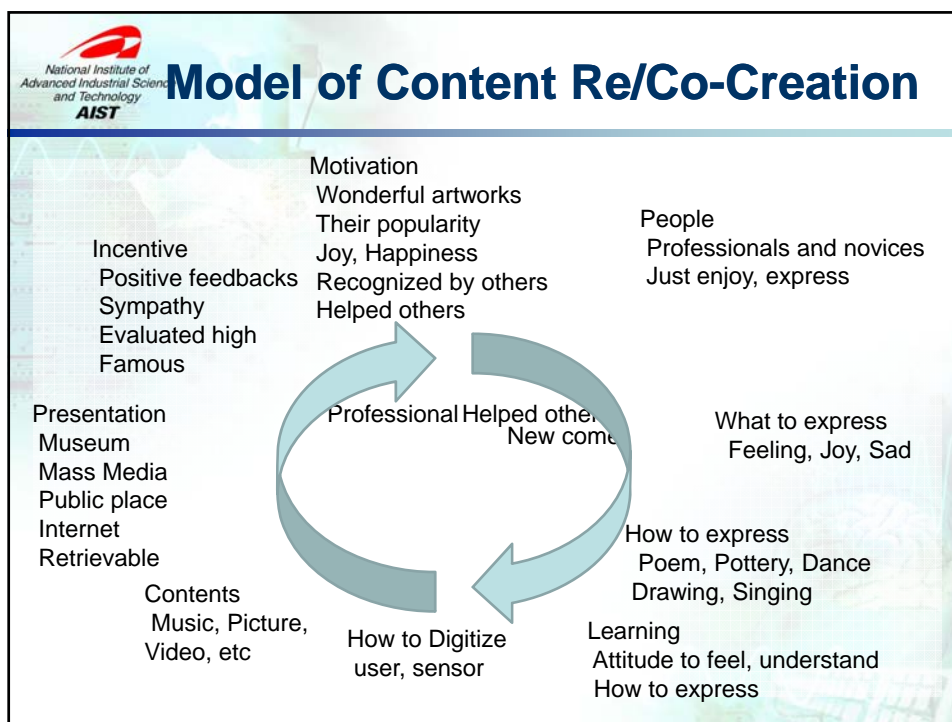
- Drawing
- Picture
- Video
- Animation
- 3D modeling
- Annotation for them

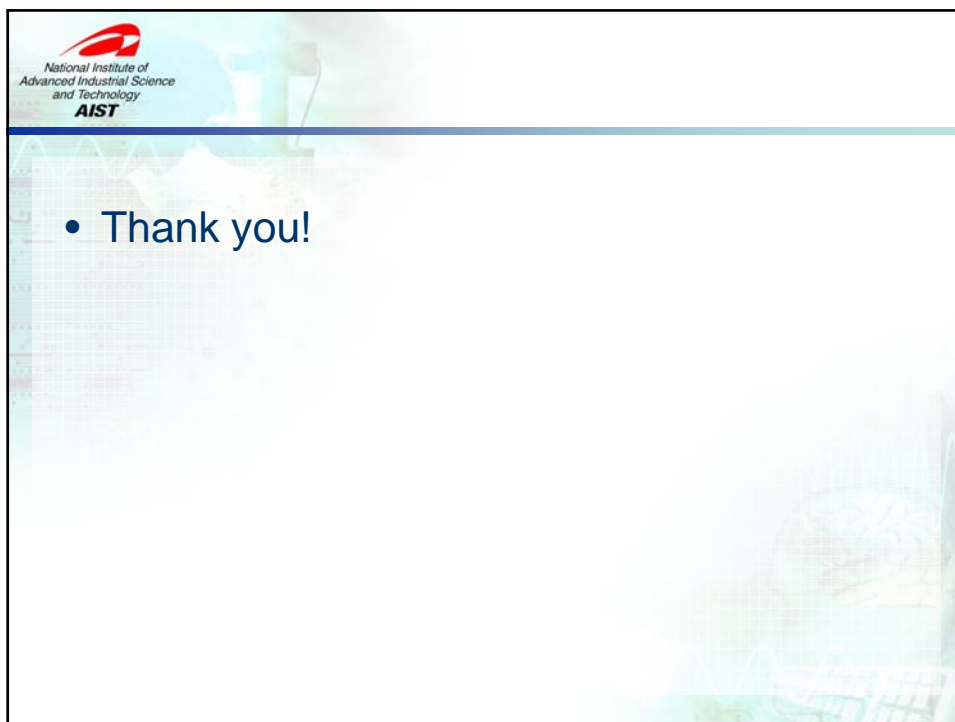


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What is 'Interweaving'?

- Co-weaving?





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- Presentations of attendees



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Workshop Summary

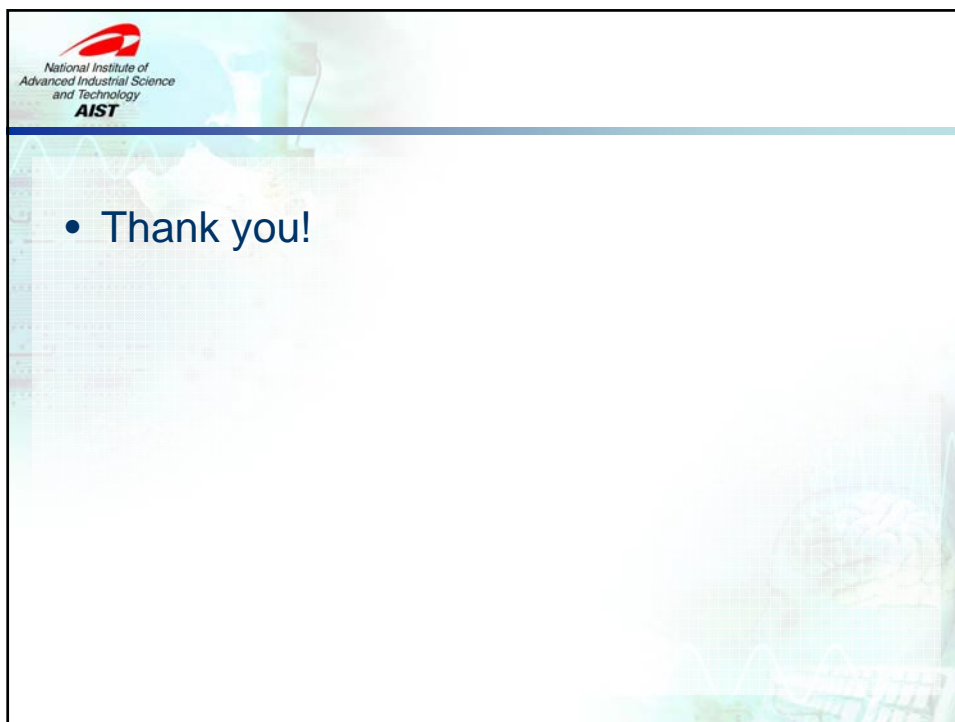
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Future Plan

- qwikWeb: CCASNS
– <http://qwik.jp/CCASNS/>
- Workshop reflector by Prof. Tomobe
– <http://tmb.sakura.ne.jp/wr/>
- Second workshop at ?



The slide features a background image of a laboratory with various pieces of equipment. In the top left corner, the AIST logo is displayed, consisting of a red stylized 'A' and the text 'National Institute of Advanced Industrial Science and Technology AIST'. A horizontal blue line is positioned below the logo.

- Thank you!