

# SSSVプログラム実施報告

静岡大学 大島研究室

香港大學 Chan研究室

# 訪問先：香港大學



# 日程



# 香港の習慣・文化



# 香港の習慣・文化



# 香港の習慣・文化



# 香港の習慣・文化

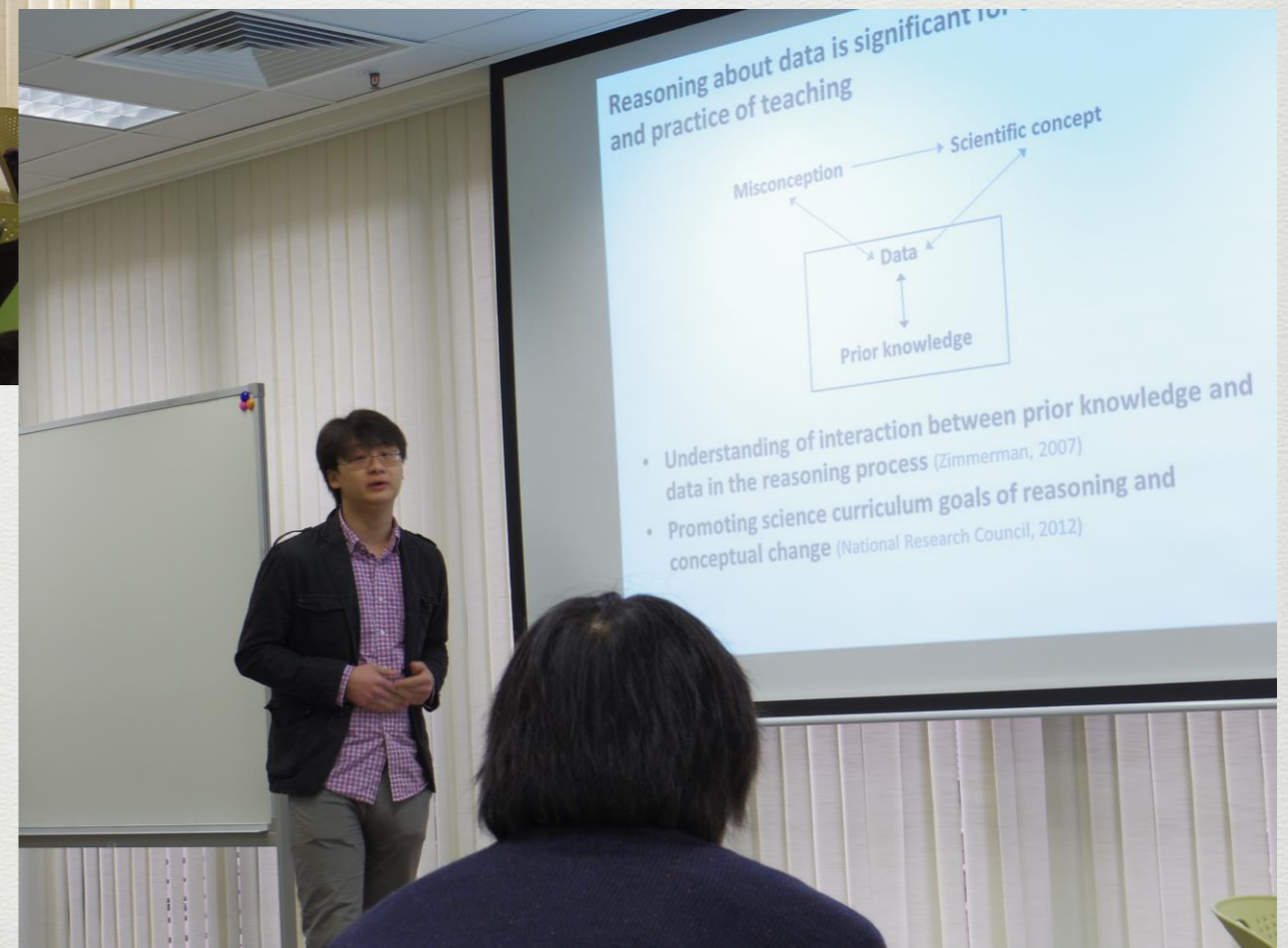


# 香港の習慣・文化





# 研究発表・学生交流の様子



# 研究発表・学生交流の様子



# 静大 発表内容

## RESEARCH PURPOSE

Question: How do learners regulate their collaborative learning in jigsaw instruction?

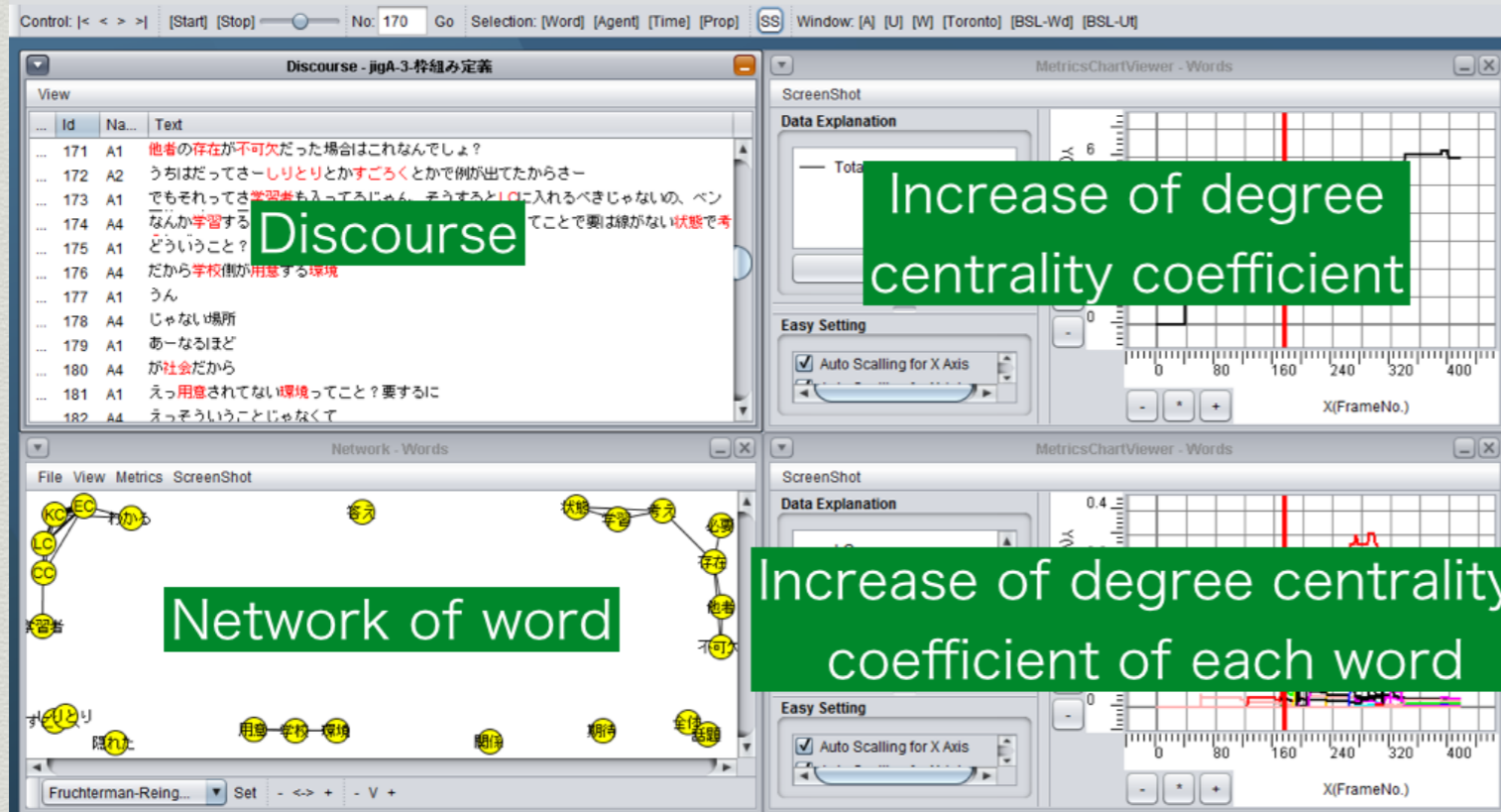
**Subordinate Goal#1:** Identify group characteristics of regulation activity across three layers

**Subordinate Goal#2:** Capture how students engaged in collaborative discourse for SSRL



# 静大 発表内容

## KBDeX (Oshima et al., 2012)



# 静大 発表内容

## Objective

Mesuring Cognition  
by Manga-Based  
Thinking Method

+

Observing skill in  
real Collaborative  
Learning



- » To make clear the relation between Epistemic Agency measured by Manga-Based Thinking Method and Skill in real Collaborative Learning

7



# 静大 発表内容

## Study Design

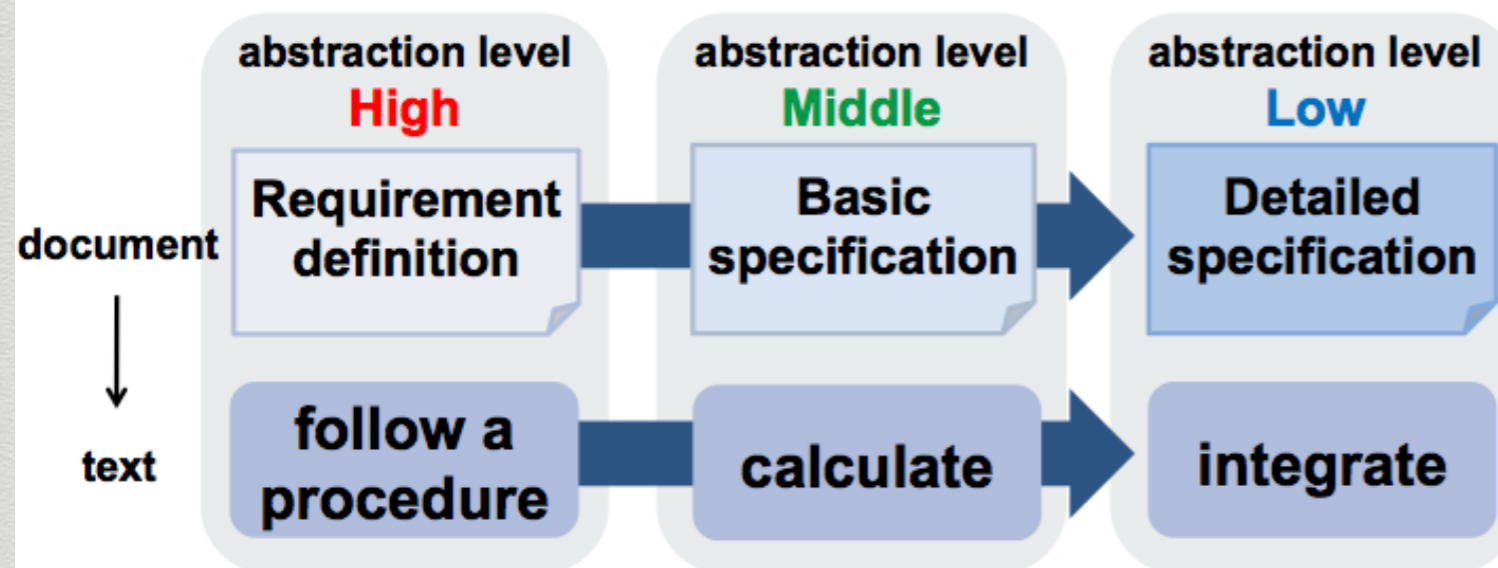
- Project-based learning with CSCL
  - ▶ Learning How to manage their Collaborative Learning
  - ▶ Proposing new solutions to reduce wastes at convenience stores.
- Provide Scaffolding facilitates **Monitoring** and **Evaluation**



# 静大 発表内容

## Premise

- ▶ Document becomes concretely as the software development makes progress



## Research by Postgraduate Students

by Carol Chan and Jan van Aalst

The first cohort of M. Ed. students has completed design projects or dissertation studies informed by research in the learning sciences.

### Flipping a local classroom

Ms. Tracy Tong



In her dissertation study, Ms. Tracy Tong collaborated with Dr. Eddy Lee at Raimondi College to explore use of **flipped classroom teaching** in a local secondary school. In a flipped classroom, the time spent on lectures and homework are reversed by using technology. Teachers post videos of lessons online for students to access anywhere and anytime, thereby allowing students to learn new material at home as "homework", and then adapt typical homework to become in-class activities. Ms. Tong found that the flipped classroom model allowed the students to achieve the outcomes of the class and there was enhanced engagement and understanding. It would be interesting to observe what may happen from a longer study, when the flipped classroom is ingrained in the learning culture and no longer a novelty to both the teacher and students with school-wide support. Watch Ms. Tong's presentation of her study on flipped classroom on YouTube, <http://tinyurl.com/m27dg46>.

### Concept Cartoons

Ms. Angela Zhang



When students need to learn difficult science concepts, how can we bring about conceptual change? Ms. Angela Zhang developed curriculum materials based on the **Conceptual Change Model (CCM)** and concept cartoons to facilitate change in students' learning; collaborative and authentic learning also are important elements in the

design. She collaborated with a local teacher to implement the curriculum as an after-school activity. Students were assessed by their learning journals and the learning beliefs questionnaire. Ms. Zhang found that the activity book helped students to improve their conceptual understanding. In addition, if students' overall beliefs about learning were more mature and deeper, they tended to have deeper conceptual understanding and were more creative when learning collaboratively. Watch Ms. Zhang's presentation of her study on YouTube, <http://youtu.be/6YpwQ7KHNUM>.

### Research Students

The research students working on knowledge building at HKU booked several successes in the last few months. In June, Mr. Ma Guanzhong and Ms. Iris Lin Feng presented their research at the 11<sup>th</sup> International

Conference of the Learning Sciences, held in Boulder, Colorado. Ms. Lin also presented at the 24th International Conference of Computers in Education held in Nara, Japan, in November. In November, Ms. Siqin Tuya successfully defended her Ph. D. dissertation on knowledge building research in Mongolia, investigating the effect of social configuration (fixed groups versus more open collaboration) on the extent of knowledge building. Her research has been accepted for publication in the *International Journal of Computer-Supported Collaborative Learning*.

On January 29-30, the team hosted a Lab Exchange program co-organized with Professors Jun Oshima and Ritsuko Oshima from Shizuoka University and Dr. van Aalst and Prof. Chan. Nine graduate students from the two universities presented their research.



Lab exchange event: Prof. Jun Oshima and Prof. Ritsuko Oshima from Shizuoka University, Japan visited the research group of Prof. Chan and Dr. van Aalst at HKU, Jan 29-30, 2015

