

# ISGC 2023 Workshop Program

## Education Informatics Workshop

**Education Informatics Workshop: Hands-on and Heads-on Authentic Learning Strategies in New Education Normal- Post-Pandemic Global Liberal Education to Foster Future Skills -**

Date: Tuesday, 21 March 2023

Time: 14:00 – 17:30

Venue: 3F, Building for Humanities and Social Science, Academia Sinica

### **Title:**

**Proposals for Hands-on and Heads-on Authentic Learning Strategies in New Education Normal - Post-Pandemic Global Liberal Education to Foster Future Skills -**

Cibinong, Western Java  
09 October 2020

**Title:**

**Proposals for Hands-on and Heads-on Authentic Learning  
Strategies in New Education Normal  
- Post-Pandemic Global Liberal Education to Foster Future  
Skills -**

**Workshop Chairs:**

**Dr. Juling Shih, Dr. RuShan Chen, Dr. Minoru  
Nakazawa, Dr. Kazuya Takemata**

**Organizer:**

**Dr. Tosh Yamamoto**

# Workshop

## Summary 1 of 2

This workshop focuses on the essential factors involving the fundamental components of **authentic learning** in the New Education Normal and demonstrates some experimental **showcases** at various tiers of education. As we see some ending of our Pandemic turmoil after the eighth wave of the Pandemic, we educators are inclined to think that we are going back to the traditional educational routine to resume what was once normal and successful as the familiar routine. On the other hand, going back to such a situation may lead us to new chaos after learners experienced and gained new values during the Pandemic learning.

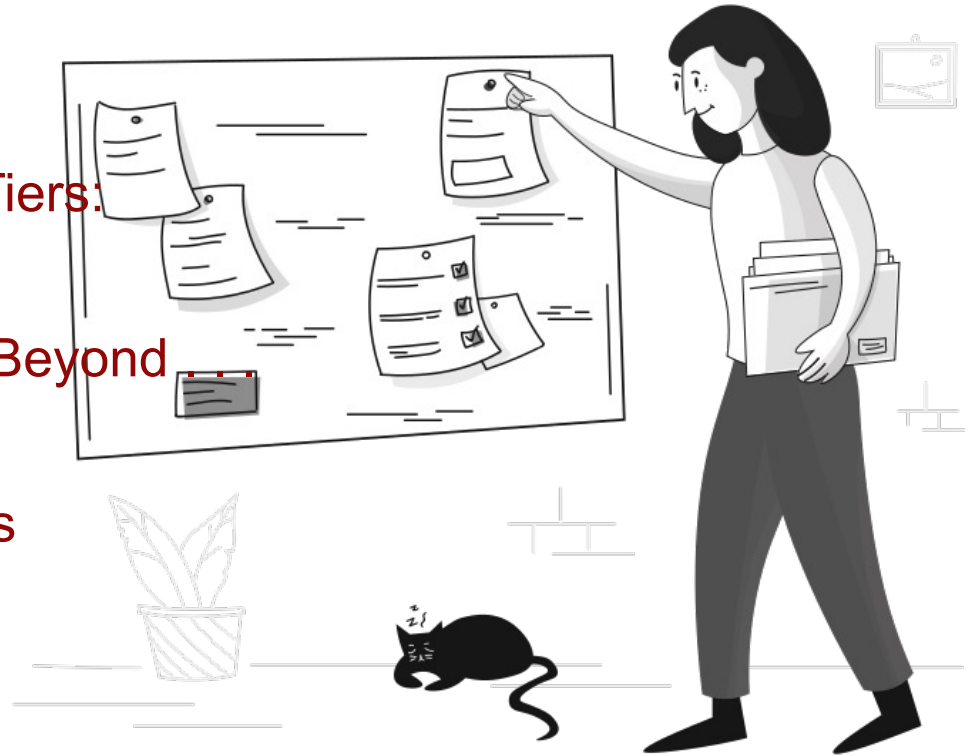
# Workshop

## Summary 2 of 2

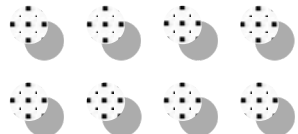
The Pandemic experience has brought us many challenges in the traditional education that we once thought were solid and robust educational strategies. As we approach the end of the Pandemic, we must **redesign new educational values**. The goal of this workshop is to redesign **ICT-enhanced global education involving active and authentic learning** in the realm of global and constructive paradigms. The workshop laid out innovative showcases inspired by Collaborative Online International Learning (COIL) and STEAM. From various tiers of education, renowned educators share their experiences to make us rethink about New Education Normal.

# Program: Presentations and Discussions

1. Goal Setting: Opening Remarks
2. Showcases at different Educational Tiers:
  - 2-1. K-12 Tier: STEAM
  - 2-2. Higher Education Tier: COIL and Beyond
  - 2-3. Graduate Tier
  - 2-4. Corporate Tier: Human Resources
3. Further Discussion and Conclusion:



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## 2-1. K-12 Tier: STEAM

-Title: City Auncel—Analyzing Learners' Multiple Representations Literacy in the Socio-scientific Issue Inquiry Game Based on GIS Information

Speaker: Dr. Juling Shih

-Title: Incorporating Regional Social Aspects and Gamification in STEAM education.

Speaker: Dr. Tosh Yamamoto & Dr. Kazuya Takemata

## 2-2. Higher Edu Tier: COIL and Beyond . . .

-Title: Academic Writing COIL, Tourism, Essay Writing, Press Release Writing

Speakers: Prof. Ru-Shan Chen & Yi-Chien Wang, Tosh Yamamoto

-Title: Social Entrepreneurship with Global Collaborative Learning

Speakers: Prof. Chris Pang/Prof. Benson Ong/Dr. Tosh Yamamoto

## 2-3. Graduate Tier

-Title: Integration of E-portfolio into General Education Classroom and Automate Classification Model for E-portfolio

Speaker: Dr. Minoru Nakazawa

## 2-4. Corporate Tier: Human Resources Development

-Title: Trust-Building and Negotiation Practicum

Speaker: Masanori Tagami & Tosh Yamamoto

## 3. Further Discussion and Conclusion:

In Charge: Workshop Chairs  
What is your next step in New Education Normal?



## 1. Goal Setting: Opening Remarks

Speaker : (Dr. Tosh Yamamoto)

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Tosh discusses the educational paradigm for New Education Normal. Topics such as “What are the future skills?” and “Ambiance for Authentic Learning: How to implement such skills in authentic learning?” are elaborated.

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## **2. Showcases at different Educational Tiers:**

This workshop aims at identifying the essential issues involved in the fundamental components of authentic education, especially in the realm of authentic learning, in the New Education Normal and then demonstrates some experimental showcases at various tiers.

In this part of the session, innovative new educational practices are showcased. We intend to share some successful educational experiences with participants and offer triggers to have them devise new and authentic learning for the future generation.

From various tiers of education, renowned educators share their experiences in teaching and learning to make us rethink education in the New Education Normal era.



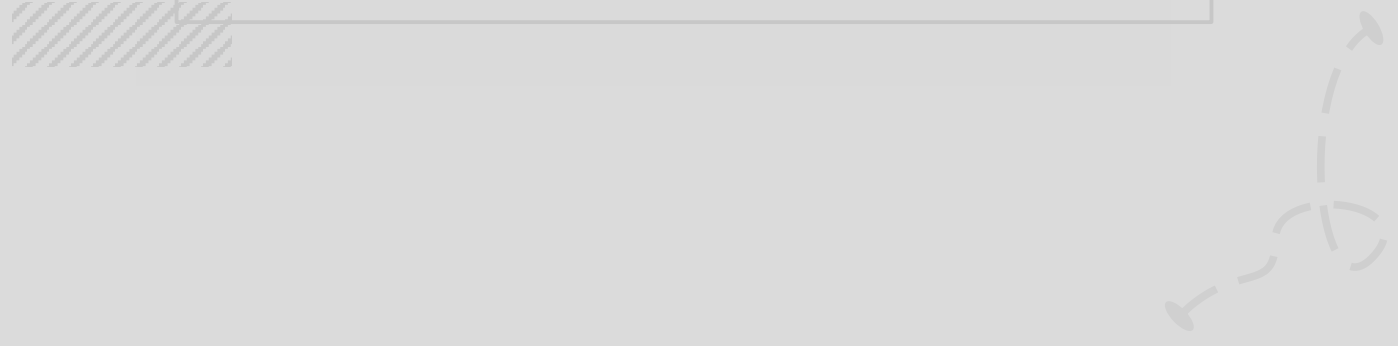


## ***Presentation Abstract***

***-Title: City Auncel—Analyzing Learners' Multiple Representations Literacy in the Socio-scientific Issue Inquiry Game Based on GIS Information***

***Speaker: Dr. Juling Shih***

*The Scenario-Issue-Resolution (SIR) instructional model is introduced to nurture students' abilities to tackle complex problems that are grounded on scenario-based issues. It teaches to intrigue students' foresight. SIR is oriented from issue-based inquiry and grounded on the socioscientific issues (SSI) that lie in resolving open and ill-structured world problems that are controversial with conflicts between groups with different perspectives.*






## *Presentation Abstract*

*-Title: Incorporating Regional Social Aspects and Gamification in STEAM education.*

*Speaker: Dr. Kazuya Takemata*

*Dr. Takemata's team developed a STEAM curriculum to nurture K-12 students' computational thinking skills in the surrounding living environment. With the concepts of SDGs, the purpose of the learning is to think seriously about the future of the society where they will live as full-fledged members of the society. The proposed hands-on and heads-on workshop enhances active learning in PBL to motivate students' curiosity in their surrounding social environment.*





## *Presentation Abstract*

2-2. Higher Education Tier: COIL and Beyond . . .

-Title: *Academic Writing COIL, Tourism, Essay Writing, Press Release Writing*

Speakers: Prof. Ru-Shan Chen & Yi-Chien Wang

*English Writing classes were conducted between Kansai University and Chihlee University for several semesters in the virtual classroom, where all students worked in teams to interact and acquire writing skills in English. Based on their interests and curiosities, the students explore their societies and compare their cultural values and lifestyles. Through writing activities, they acquired how to organize their thoughts in the form of infographics and mind mapping and to write in paragraphs. They also acquired skills to express themselves in rich media such as blog writing, infographic presentation, and pitch videos. Throughout the course, all students as well as all teams were on the same page regarding learning in the virtual classroom.*



## *Presentation Abstract*

-Title: ***Social Entrepreneurship with Global Collaborative Learning***  
Speakers: Prof. Benson Ong/Dr. Tosh Yamamoto

*Collaborative Online International Learning (COIL) courses have been collaboratively conducted between the Department of Business and Management at Nanyang Polytechnic in Singapore and Kansai University/Kansai University of International Studies in Japan. Students learning and interaction are all conducted in the virtual classroom asynchronously. The realm of learning is to acquire business skills to build a startup company with the mindset of SDGs and the future of society and the world. The students build teams of the same interests and learn to be ready for their startup companies through simulation learning.*




## *Presentation Abstract*

2-3. Graduate Tier

-Title: *Integration of E-portfolio into General Education Classroom and Automate Classification Model for E-portfolio*

Speaker: Dr. Minoru Nakazawa. Design Thinking

*With the application of the model of design thinking, Dr. Nakazawa incorporates features of e-portfolios into reflective learning for authentic assessment. The self-awareness of the values from learning and the process of meta-cognitive learning activities are the keys to authentic assessment in New Education Normal.*





## *Presentation Abstract*

### 2-4. Corporate Tier: Human Resources

-Title: ***Trust-Building and Negotiation Practicum***

Speaker: Masanori Tagami & Tosh Yamamoto

*Before the Pandemic, university students and corporate staff of the HR departments from IBM, ANA, and Fuji Xerox, among others, gathered in Tokyo once a year to have a communication and negotiation workshop to enhance their negotiation skills. The purpose is to develop and enrich their human resource skills through the interaction of multi-tiered age groups. During the Pandemic, such activities were interrupted. As we approach the end of the Pandemic, organizers have started an innovative workshop to maintain the quality on a larger scale than before.*



### 3. Further Discussion and Conclusion: In Charge: Workshop Chairs

“

What is your next step in New Education  
Normal?

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**Thank you very much for your participation!**

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**Dr. Tosh Yamamoto**



