ONLINE EDUCATION: TEACHING IN A TIME OF CHANGE

• Paper / Proposal Title:
A Study on Creative Team Building Method in Online International Design Workshop

• Author(s) Name:
Akari Kano, Akiyoshi Inasaka

• University or Company Affiliation:
Department of Design, Graduate School of Creative Engineering, Chiba Institute of Technology, Japan
Department of Design, Faculty of Creative Engineering, Chiba Institute of Technology, Japan

• Abstract (300 words):
Learning activities in school and institutions are also forced to deploy it online due to reducing the infection risk of COVID19. Most of in-class creative activities are designed for group of learners to be in same place simultaneously. But during this pandemic, doing creative activities in ordinary style are difficult and leaners faces difficulties to do creative work together to produce one product as a team. Therefore, the purpose of this study is to clarify issues in collaborative work in online environment, and to establish a methodology through empirical experiments and analysis in the workshop for how to facilitate classes and how to use online tools.

Online activities has two barriers comparing to face-to-face activities. Decrease in sharing contexts caused by differences in atmosphere and environment, and in chat. Therefore this study attempted to overcome them through our facilitation and support of online collaboration tools.
As an empirical study, we have organized and conducted six-weeks international design workshop for about 50 students participating from Japan and Taiwan. The theme of the workshop was to propose online services or products to enhance our lives in real space. To overcome the barriers, participants used Miro, an online whiteboard and the groupware that allow text chatting and video conferencing for visual and verbal communication for both synchronous and asynchronous communications. By using these tools, it is easy to reflect on archived communications, and text and visual information help overcome language and cultural barriers.

From the perspective of creativity, we evaluated from perspective of individuals and teams by recording of textual and visual interactions, questionnaires conducted during the workshop which captured changes in participants' consciousnesses. As a result, we derived for axis, (1) mutual proactive communication (2) individual commitment to team (3) synergy that occurred among members and (4) mutual learning.

**Author(s) Biography (200 words each):**

Akari Kano is a student of master course at Department of Design, Graduate School of Creative Engineering, Chiba Institute of Technology. Specialized in space design and engineering design.

Akiyoshi Inasaka is Assistant Professor at Department of Design, Faculty of Creative Engineering, Chiba Institute of Technology, Japan, since 2015. He is specialized in the field of theory and practice of spatial design and planning from architecture to urban scale as well as fundamental design education. He graduated from Department of Architecture, Tokai University in 2002, Graduate School of Media and Governance, Keio University in 2005 for his master’s degree. Finished his doctoral course at Department of Urban Engineering, Graduated School of Engineering, the University of Tokyo and got his Doctor of Engineering in 2010. From 2009-2015, Assistant and Assistant Professor at Department of Architecture, Faculty of Engineering Division 1, Tokyo University of Science (architecture and urban design and planning).