Development of a Virtual Environment for Visualizing Emotions

National Institute of Information and Communications Technology (NICT)
Osaka, Japan
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7/31/2015
PROGRESS

Visual Application
- Completed beat synchronization for “sad” scene.
- Finished models for “happy” scene.
- Selected Mozart’s “Piano Trio No. 6 in G Major, K. 564” for the happy scene.
- Working on beat synchronization for “happy” scene.

EEG
- Began integrating Emotiv EPOC Unity 3D plugin into project.
- Developed algorithm to determine level of engagement user is feeling combined with physical facial features such as smirking or smiling in order to capture “feeling happy or positive.”
- Tested Emotiv device with Unity project to see if colors of visual change depending on emotion detected, and it does.
UPCOMING GOALS

Visual Application
- Finish beat synchronization for “happy” scene.
- Demo project progress to Inoue-san to receive access to REI library and begin integrating the visuals to the 3D screen.

EEG
- Integrate Emotiv code with REI library and test with wall.
EXPERIENCING JAPANESE CULTURE
JUST A FEW OF THE ACTIVITIES FROM THIS WEEK

Saw a cute baby monkey!
Famous bamboo forest in Arashiyama
Monuments in Arashiyama
Went to a matsuri with Curtis and his friend Hikari
Fireworks show at the end of the matsuri
Night time tour around NAIST's campus
EXPERIENCING JAPANESE CULTURE

JUST A FEW OF THE ACTIVITIES FROM THIS WEEK

Watching the sunset at Arashiyama

Feeding apple chunks to monkeys!

View from the top of the Monkey Park

PRIME 2015
JAPANESE CUISINE

Shaved ice at a matsuri near Ikoma

Sandwich at a cafe in Arashiyama

Cooked minced pork rice with Richard

More kaiten sushi!

Melt-in-your-mouth fatty tuna

Inari, always tasty
National Institute of Information and Communications Technology (NICT)
- Professor Shinji Shimojo, my mentor in Osaka
- Dr. Yasushi Naruse, for lending his EEG device
- Masanari Goto & Megumi Kanagawa, who helped with the initial commute to the lab, along with other logistics
- Everyone else at NICT, who have made me feel very welcome

University of California, San Diego (UCSD)
- Professor Jurgen Schulze, my mentor in San Diego
- Madhvi Acharya

PRIME, for their financial support and guidance
- Dr. Gabriele Wienhausen
- Teri Simas, for her additional financial support
- Jason Haga
- Jim Galvin
- PRIME alumna Haley Hunter-Zinck
- National Science Foundation

Previous PRIME alumni for their advice and recommendations