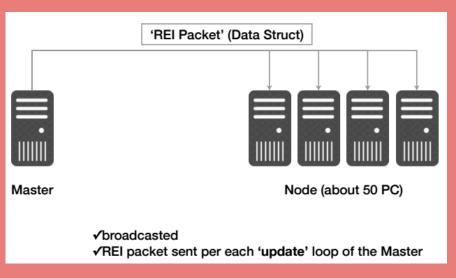
Development of a Virtual Environment for Visualizing Emotions

National Institute of Information and Communications Technology (NICT) Osaka, Japan Michelle Wu 8/7/2015

1 PROGRESS



Visual Application

- Demoed integration of Emotiv EPOC and Unity visualizations to Inoue-san and received access to REI library.
- User manuals are in Japanese, so I need to spend time translating. I also asked Yasuda-san if I had any questions.
- Began factoring code and making send calls to REI packets. Changed functions that only need to run on one computer by isolating them to the "Master" executable, leaving the rest for the "Node" executable.

EEG

Mostly worked on integration of visuals this week.

Visual Application

- Run Master and Node executables on 3D wall and check how visuals look.
- Make any adjustments to visuals to enhance the 3D features that the wall provides (For example, change shades of colors and size of particles).

EEG

 Run Master and Node executables on 3D wall and check on the Emotiv output.



EXPERIENCING JAPANESE CULTURE

JUST A FEW OF THE ACTIVITIES FROM THIS WEEK



String lanterns by Kamogawa River



Message lanterns by Horikawa River at one of the Kyo no Tanabata locations



Tower of the Sun statue



Lantern display by Nijo Castle



Field of sunflowers at Expo Park



Lights on the water at Kyo no Tanabata



JAPANESE CUISINE

いただきます



Meat ball skewers







Yakitori chicken bone skewers



Chicken skewers



ACKNOWLEDGMENTS

ありがとうございました

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