



**INTERACTIVE MODEL FOR THE  
RAILROAD MUSEUM**  
AUGUST 22, 2014

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# COLLABORATION WITH KOBE INSTITUTE AND THE LAB



# LIVE DEMONSTRATION



Link to video: [https://drive.google.com/file/d/0B6\\_Ayl7YnEAIvzFTa21yLUZ5M00/edit?usp=sharing](https://drive.google.com/file/d/0B6_Ayl7YnEAIvzFTa21yLUZ5M00/edit?usp=sharing)

## COMPLICATIONS WITH MUSIC SHIELD

- microSD broke and the whole library has to be reimported and reinstalled
- Having trouble starting the music shield many times (initializing it many time)
- Backup plan: use powerswitch to turn speaker on and off



# TIMER AND BUTTON COUNTER

- Implemented the counter feature on HTML website and on the Arduino itself
- However, the counter has trouble keeping count of button clicks and displaying the number on correct clicks on the website
- The counter is not updated correctly and shown correctly on the website, but the Arduino do receive the right amount of signals.
- For example, if one user click the button one time and if another user open the website, they can't see that it has been clicked once already.
- Have to use Nodejs to establish link between server to browser
- Also use Nodejs to establish link between server, browser, and Arduino for the timer point.



# ACKNOWLEDGEMENTS

## **University of California, San Diego (UCSD)**

Dr. Gabriele Wienhausen

Teri Simas

## **National Institute of Information and Technology (NICT)**

Dr. Shinji Shimojo

Takata Tomoaki

## **National Institute of Advanced Industrial Science and Technology (AIST)**

Dr. Jason Haga

## **Balboa Park Online Collaborative (BPOC)**

Chad Weinard



# HIMEJI CASTLE



# HANABI AT MIYAJIMA ISLAND

