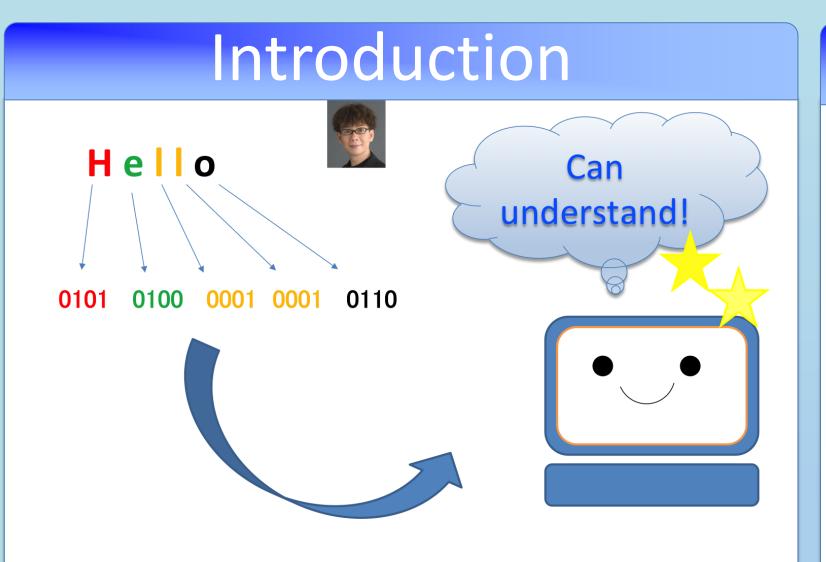
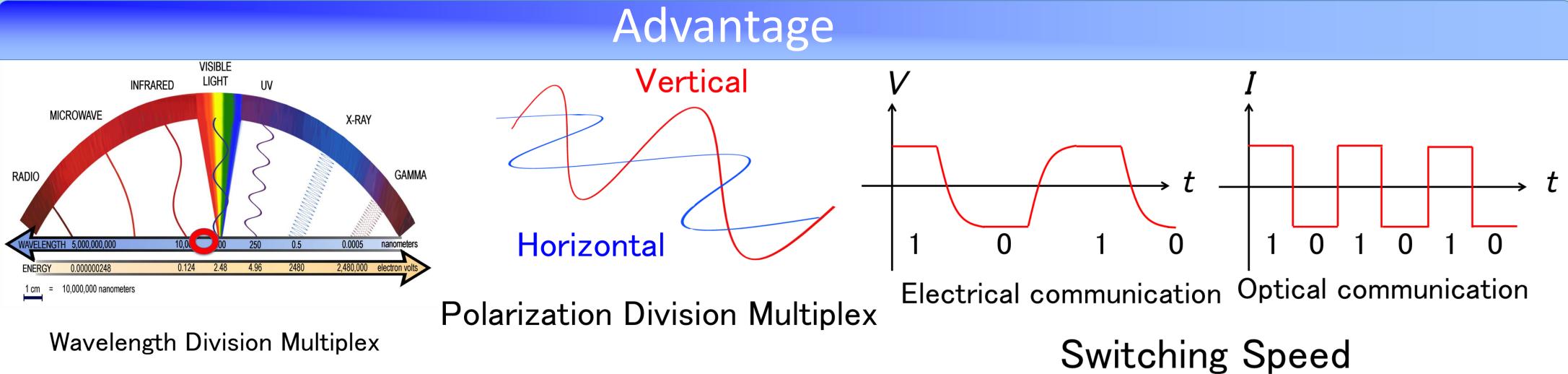
## **TWINCLE Program 2014**

# Our memories in Thailand

Chigusa Umeki (education)
Masaru Tsuchida (education)
Syuhei Lee (engineering)

## Science Lesson – Optical Communication





digital audio player

earphone

optical signal

electrical signal

optical signal

optical signal

electrical signal

# Input Output Optical switch 0101010 Optical switch 0101010 Two-photon absorption

#### Improvements

- We taught our topic step by step.
- We used many gestures.
- We prepared interesting experiment.
- We spoke slowly and loudly, especially the main theme of research.



#### Students' reaction

- "It was very difficult but very exciting!"
- "I have never taken the lesson before!"
- "It was very fun!"
- "very exciting!"
- "I want to study physics more!"
- "The lesson was very useful!"

### Achievements and Problems

## Achievements

- We all tried to communicate with students, teachers and friends in Thailand in a positive way.
- It deepened to mutual understanding and friendship.
- Our students could understand the contents of our lesson.

  We could make our lesson easy to inderstand from the

students' perspective with visuals and instruments.

#### Problems

- Some students look boring when we talk about two-photon absorption.
- Because of the pronunciation problem, students sometimes can't understand what we want to explain.

## Extra activity







We practiced Muay Thai. It was so hard.





We get many new friends!!

There are many beautiful and great temples in Thailand.





# Summary

- We taught optical communication for high school students in English and we gained confidence of speaking English.
- We recognized the significance of our research again.
- We interacted Thai people and culture. It was so interesting for us.