

Ivan Kostylev (イワン コスティレフ)



- Canada, Nova Scotia, Halifax
- 1988年 (27歳)
- 1回生Doctor student (四月 '15)
at **Quantum Materials Lab**,
Department of Physics, Graduate
School of Science, Kyoto
University
- Superconductivity research
supervised by Dr. Maeno



~17 hr by plane to Japan



日本へようこそ!

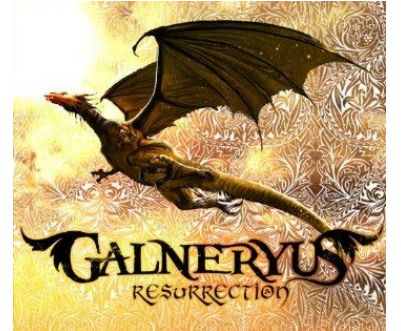
- **Japan** has excellent research environment and world-class in physical sciences
- **2nd in the world** by citations and papers related to High-Tc Superconductivity¹
- **1st in the world** of proportion of GDP spent on R&D for superconductivity (~4%)¹
- **Kyoto University** is in top 3 of Japan's universities of high-impact papers on **Superconductivity**¹
- **Leading edge** ruthenate superconductivity based research done by **Dr. Maeno's group** at **Kyoto University**
 - Superconductivity in SRO was first observed here!
- **Excited** to help elucidate "*one of physics' greatest unsolved mysteries*"
 - Potential impact in science fields, technology, industry, and economy is big
 - Material science, strongly correlated electron system
 - Efficient power grid, Maglev trains, supercomputing, energy storage, etc...
 - In major cities ~7% of input energy **is lost** on power transmission and distribution (~70 TWh/year on resistive losses)



➤ I like Japanese...

Music!

X-Japan





➤ I like Japanese...

Anime!



銀魂

紅桜篇



➤ I like Japanese...

Movies!

Outrage

ラヂオの時間



➤ I like Japanese...

Games

Metal Gear

Ninja 外伝

Xenogears

ゼノギアス

Rockman 2

Dr ウィリーの謎



➤ I like Japanese...

Food!



➤ I like Japanese...



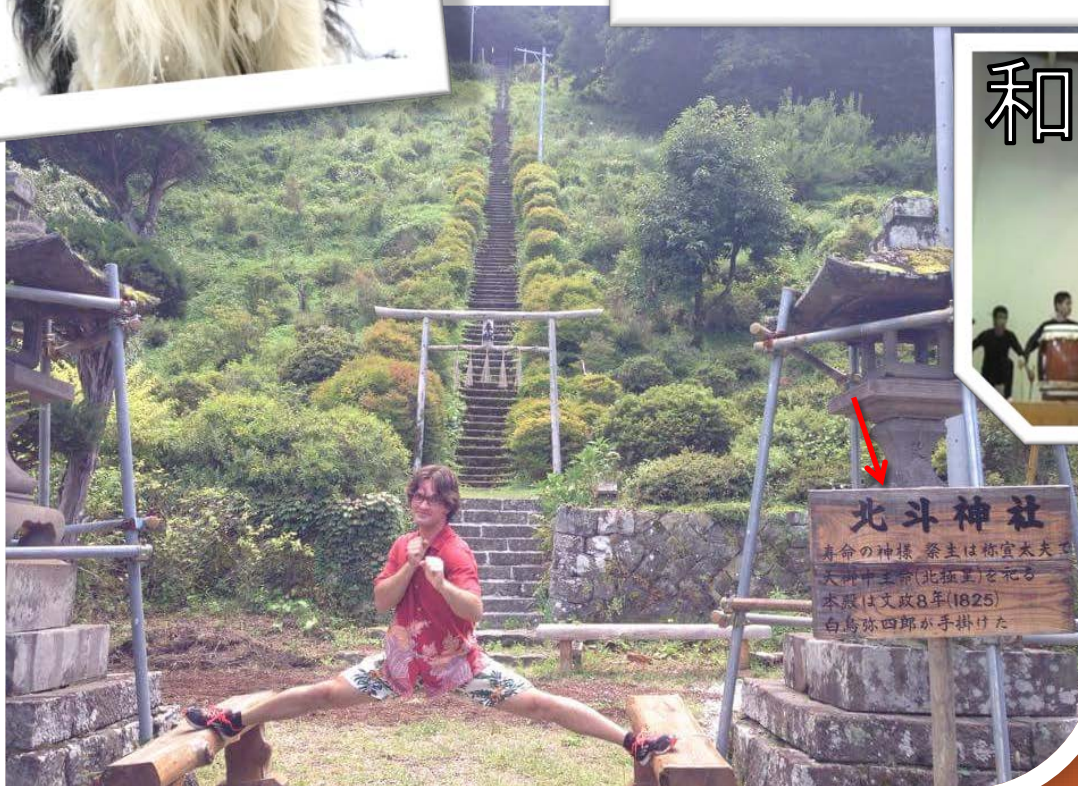
Culture!



狆



溪流釣り



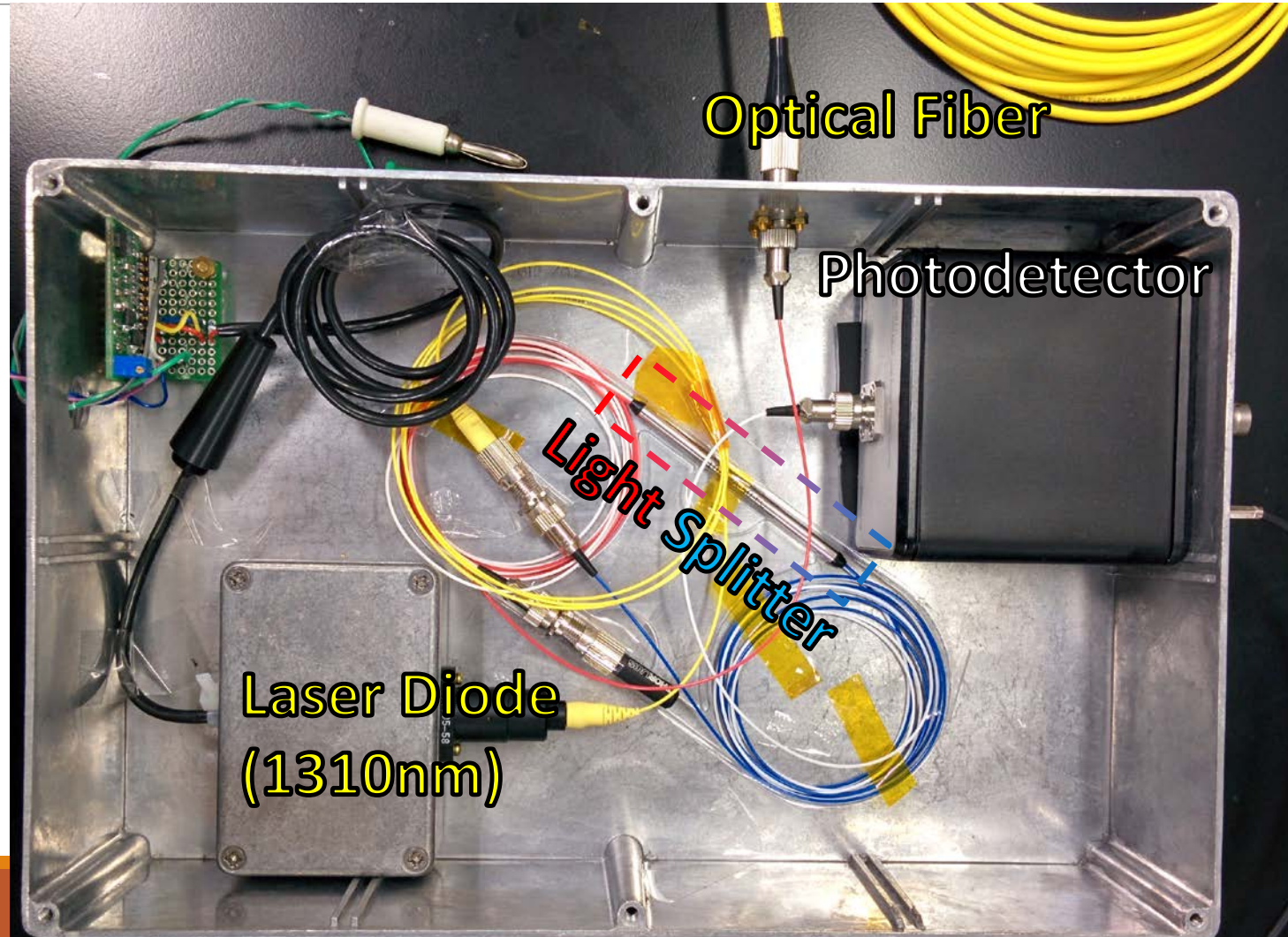
北斗神社

寿命の神様 祭主は権宣太夫
大御中主命(北極星)を祀る
本殿は文政8年(1825)
白鳥弥四郎が手掛けた

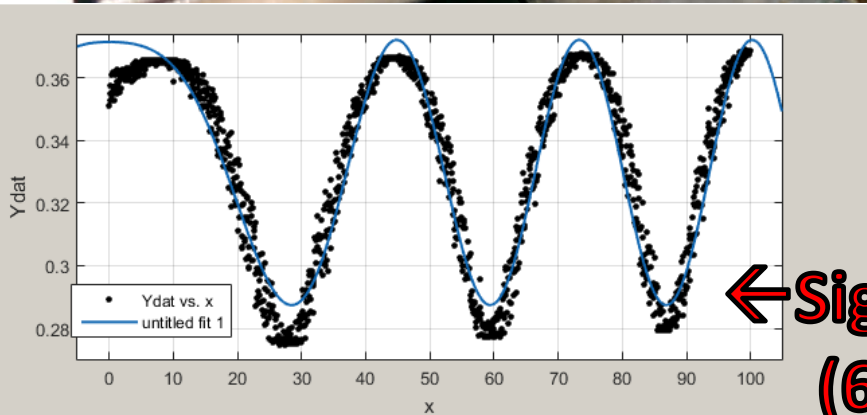
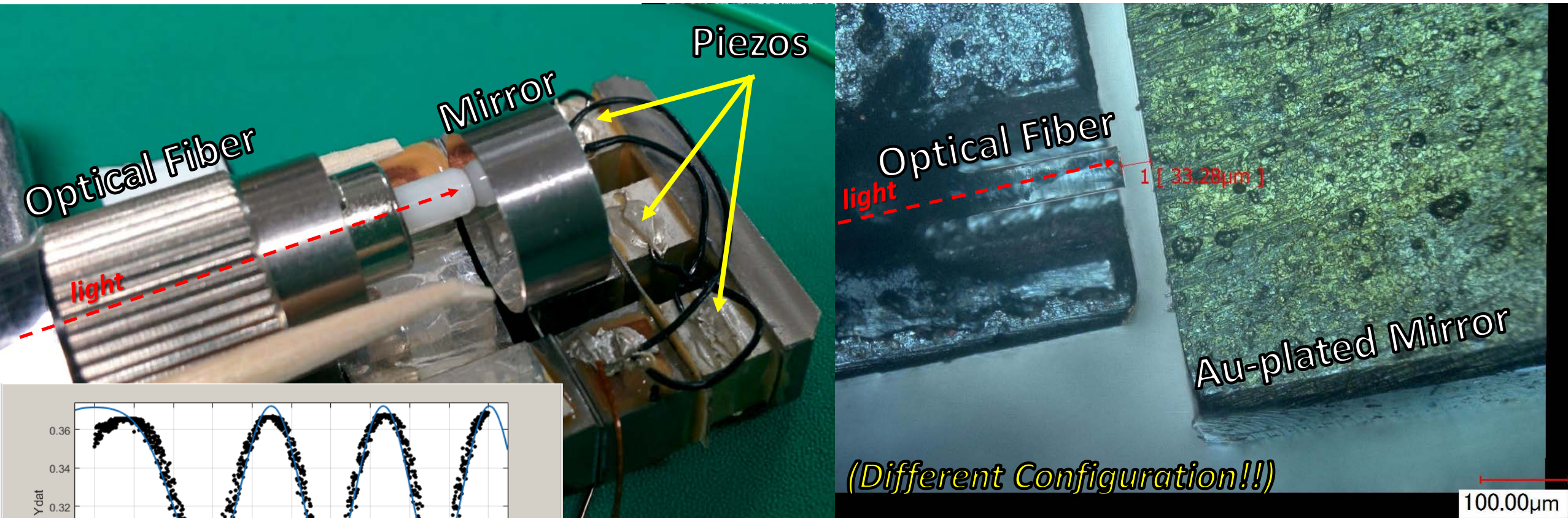


和太鼓

Current Project – Make Fizeau Interferometer



Current Project – Make Fizeau Interferometer

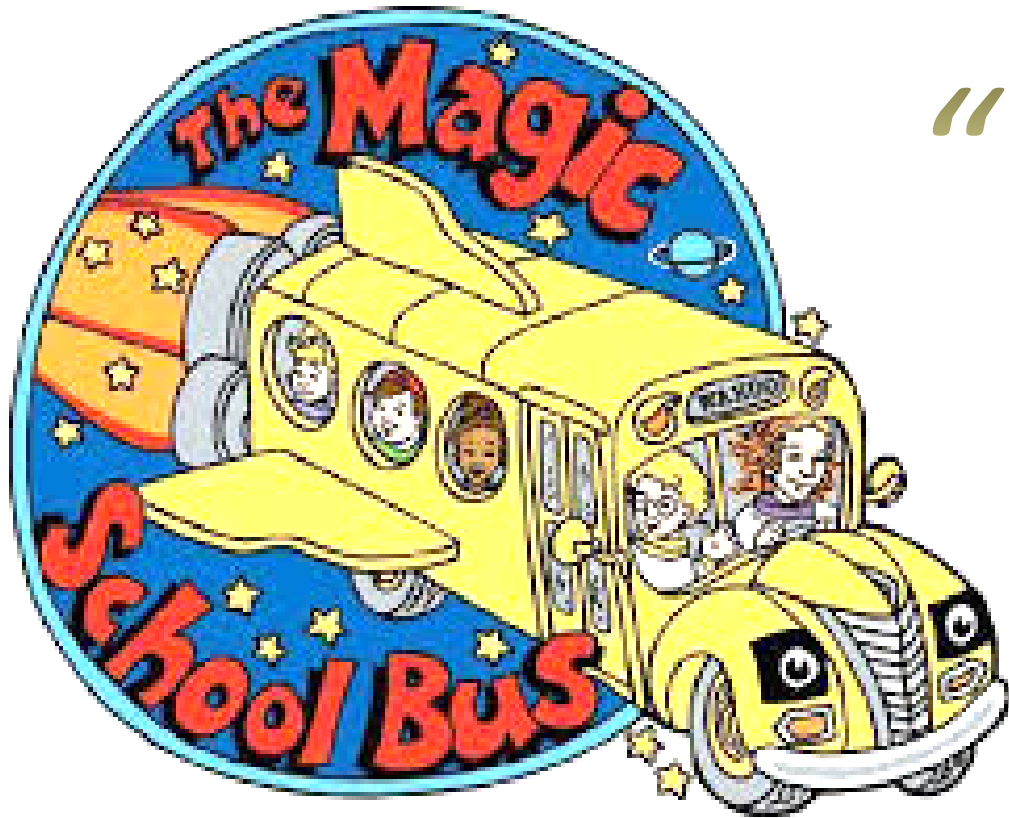


← **Signal vs Distance between Mirror and Optical Fiber**
(655 nm per oscillation; 1.965 μm total displacement)

Learn English!

- English is the **2nd** most spoken language in the world
 - Can expand social networks
- English is the **1st** most spoken language the **scientific** world
 - Can learn a lot of knowledge
- Health Benefits!
 - People who spoke **two** languages developed *dementia* **4.5 years later** than people who only spoke one *language*

Tips for learning English



*“Take chances,
make mistakes,
get messy!”*

Feel free to...

Contact me,

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For anything!

どうもありがとうございます！