



Nobuyoshi HIRAMATSU

Undergraduate student (Senior)

Department of Applied Physics,
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PERSONAL DATA

DATE OF BIRTH	6 January 1995
PLACE OF BIRTH/NATIONALITY	Japan
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EDUCATION

APRIL 2015 - PRESENT	Bachelor's degree in Applied Physics The University of Tokyo , Tokyo, Japan Graduate Research: Light-induced Metastable Superconductivity in IrTe ₂ . (Supervisor: Assoc. Prof. Kagawa)
APRIL 2010 - MARCH 2015	Associate degree in Electronics and Controlling Science Toyama National College of Technology , Toyama, Japan Graduate Research: Magnetic Field Analysis for Micro Processing for Internal Horizontal Circular Pipe Utilizing Magnetic Functional Fluid. (Supervisor: Assoc. Prof. Ikeda)

PUBLICATIONS

1. Nobuyoshi Hiramatsu, Fumiya Kusa, Kotaro Imasaka, Ikki Morichika, Akinobu Takegami, and Satoshi Ashihara, "Propagation Length of Mid Infrared Surface Plasmon Polaritons on Gold: Impact of Morphology Change by Thermal Annealing," *Journal of Applied Physics* **120**, 173103 (2016).
2. Harald Etschmaier, Nobuyoshi Hiramatsu, and Olesia Synooka, **2018**, INTEGRATED SMOKE DETECTION DEVICE. European Patent No. EP3319057 (A1).

CONFERENCES

1. Nobuyoshi Hiramatsu, Fumiya Kusa, Kotaro Imasaka, Ikki Morichika, Akinobu Takegami, and Satoshi Ashihara, "Propagation Length of Mid Infrared Surface Plasmon Polaritons on Gold," Optics Photonics Japan 2016, November 1, 2016, Tokyo, Japan.
2. Yuta Tsukada, Shinji Ikeda, Nobuyoshi Hiramatsu, Yutaka Sakurai, and Hitoshi Nishida, "Magnetic Field Analysis for Micro Processing for Internal Horizontal Circular Pipe Utilizing Magnetic Functional Fluid," The 38th Annual Conference on Magnetism in Japan, September 2, 2014, Tokyo, Japan.

EXPERIENCES

JUNE 2018 - PRESENT	Research student (Supervisor: Assoc. Prof. Kagawa) Center for Emergent Matter Science, RIKEN, Japan
APRIL 2015 - JANUARY 2018	Research student (Supervisor: Assoc. Prof. Ashihara) Institute of Industrial Science, the University of Tokyo, Japan
AUGUST 2016 - SEPTEMBER 2016	Research Intern Rice University, Texas, USA
FEBRUARY 2016 - JUNE 2016	Practical Intern at IC sensor manufacturer Austria Micro Systems, Graz, Austria
AUGUST 2011 - JUNE 2012	High-school Exchange Program Luostarivuoren Lukio, Turku, Finland

COMPUTER SKILLS

INTERMEDIATE KNOWLEDGE: Ruby, C, Ruby on Rails, HTML, CSS
BASIC KNOWLEDGE: R, \LaTeX , Fortran, Linux

LANGUAGES

MOTHERTONGUE: Japanese
FLUENT: English
MODERATE: Chinese, Finnish, German

INTERESTS AND ACTIVITIES

Condensed Matter Physics, Optics, Low-Temperature Physics and Mathematics; Playing the Mandolin and Basketball.