

# INOUE Yusuke

---

Information Engineering  
National Institute of Technology, Oita College  
1666 Maki, Oita, 870-0152, Japan

E-mail : [y-inoue@oita-ct.ac.jp](mailto:y-inoue@oita-ct.ac.jp)

Web : <https://yinoue102.github.io/yinoue102.github>

**WORK EXPERIENCE** *Lecturer*, Aug. 2022 – present  
National Institute of Technology, Oita College.

*Assistant Prof.*, Apr. 2019 – Jul. 2022  
National Institute of Technology, Oita College.

*Research Assistant.*, Apr. 2016 – Mar. 2019  
Kyushu University.

**EDUCATION** *Ph.D. student in Engineering*, Apr. 2016 – Mar. 2019  
Kyushu University, Fukuoka.  
Dissertation title: "Adaptive Frame-Rate Control for Low Energy Object Tracking Systems"  
Adviser: Prof. Koji Inoue

*Master of Engineering*, Apr. 2014 – Mar. 2016  
Kyushu University, Fukuoka.  
Adviser: Prof. Koji Inoue

*Bachelor of Engineering*, Apr. 2012 – Mar. 2014  
Ariake National College of Technology, Fukuoka.  
Adviser: Assoc. Prof. Yohei Ishikawa

**RESEARCH INTERESTS** My research interests include the areas of FPGA, Embedded system, Image processing, Low energy, Digitization.

**REFEREED PUBLICATIONS**

1. [Yusuke Inoue](#), Takatsugu Ono, Koji Inoue, "Real-time Frame-Rate Control for Energy-Efficient On-Line Object Tracking," IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences, E101-A (12), Dec. 2018.

2. Yusuke Inoue, Takatsugu Ono, Koji Inoue “Situation-Based Dynamic Frame-Rate Control for On-Line Object Tracking”, International Japan-Africa Conference on Electronics, Communications and Computations (JAC-ECC) 2018, Alexandria, Egypt, December, 2018.
3. Yusuke Inoue, Takatsugu Ono, Koji Inoue “Adaptive Frame-Rate Optimization for Energy-Efficient Object Tracking”, In Proc. of the 20th International Conference on Image Processing, Computer Vision & Pattern Recognition (IPCV), Las Vegas, Nevada, USA, July, 2016.
4. Yusuke Inoue, Takatsugu Ono, Koji Inoue, “Adaptive Frame-Rate Optimization for Low Energy Object Tracking”, Work in Progress Poster Session at Design Automation Conference (DAC) 2016, 100.26, Austin, Texas, USA, June 2016.

## **PRESENTATION**

1. Yusuke INOUE, “Adaptive frame-rate control for low energy visual object tracking system,” Asia Pacific Society for Computing and Information Technology 2019 Annual Meeting, Sapporo, Jul, 2019 (Invited Talk).
2. Yusuke Inoue, Shuhei Kumano, Kazuki Kondo, Masumi Ogishima, Akio Shimizu, Hideaki Moriyama, Sumio Fukai, Yohei Ishikawa, “A Framework of MicroBlaze and PetaLinux on FPGA”, Japan-Thailand-Lao P.D.R. Joint Friendship International Conference on Applied Electrical and Mechanical Engineering (JTL-AEME) 2013, pp1-4, Bangkok, Thailand, Aug. 2013.