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WORK EXPERIENCE *Assistant Prof.*, Apr. 2019 – present
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 system, low energy, renewable-energy.

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", Inter-

national 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, 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.