

オイルパームの成熟度判別に関する業績

研究資金

1. [深谷 健, トビタテ！留学JAPAN日本代表プログラム 第6期派遣留学生, 2017](#)
2. [皆方 快公, トビタテ！留学JAPAN日本代表プログラム 第6期派遣留学生, 2017](#)
3. [田代晋久, 脇若弘之, 小林一樹, 海外拠点活用Pマレーシア, 2018](#)
4. [田代晋久, 小林一樹, 佐藤光秀, 長野\(工学\)キャンパス教育強化プロジェクト, 2019](#)

受賞

1. [皆方 快公: ICST2018 Excellent Paper Presentation, \(2019.1.20\)](#)

Preharvest evaluation論文

1. [N.H. Harun, N. Misron, R.M. Sidel, I. Aris, D. Ahmad, H. Wakiwaka, K. Tashiro, "Investigations on a novel inductive concept frequency technique for the grading of oil palm fresh fruit bunches.", Sensors 2013, 13, 2254–2266, 2013.\(doi:10.3390/s130202254\)](#)
2. [Norhisam Misron, Noor Hasmiza Harun, Yeoh Kian Lee, Roslina Mohd Sidek, Ishak Aris, Hiroyuki Wakiwaka and Kunihisashi Tashiro, "Improvement in sensitivity of an inductive oil palm fruit sensor", Sensors, 14\(2\):2431-2448 2014\(Feb. 03\).](#)
3. [Noor Hasmiza Harun, Norhisam Misron, Roslina Mohd Sidek, Ishak Aris, Hiroyuki Wakiwaka and Kunihisashi Tashiro, "Dual Resonant Frequencies Effects on an Induction-Based Oil Palm Fruit Sensor", Sensors, 14\(11\):21923-21940 2014\(Nov. 19\).](#)
4. [Norhisam Misron, Nor Aziana Aliteh, Noor Hasmiza Harun, Kunihisashi Tashiro, Toshiro Sato, Hiroyuki Wakiwaka, "Relative Estimation of Water Content for Flat-Type Inductive-Based Oil Palm Fruit Maturity Sensor", Sensors, 17\(52\) : doi:10.3390/s17010052 2016\(Dec. 28\).](#)
5. [Nor Aziana Aliteh, Norhisam Misron, Ishak Aris, Roslina Mohd Sidek, Kunihisashi Tashiro, Hiroyuki Wakiwaka, "Triple Flat-Type Inductive-Based Oil Palm Fruit Maturity Sensor", Sensors 2018, 18\(8\), 2496; doi.org/10.3390/s18082496, 2018 \(Aug 1\)](#)

Postharvest evaluation論文

6. [皆方快公, 小林一樹, 田代晋久, 脇若弘之, 永田浩一, Norhisam Misron, Nor Aziana Aliteh, 長谷川拓真, 二俣昌樹, "カラーチャートによるオイルパーム成熟度判別に向けた基礎検討", 2018年度 人工知能学会全国大会\(第32回\)\(JSAI2018\), 1K3-OS-10a-03, 2018 June 5-8\(城山観光ホテル\)](#)
7. [Kaiko Minakata, Kunihisashi Tashiro, Hiroyuki Wakiwaka, Kazuki Kobayashi, Norhisam Misrom, Nor Aziana Aliteh, Hirokazu Nagata, "Proposal of Fruit Battery Method for Estimating Oil Palm Ripeness", 2018 12th International Conference on Sensing Technology \(ICST\), pp. 399- 402, DOI:10.1109/ICST.2018.8603621, 399-402, 2019 \(Jan. 7\)](#)
8. [N. Misron, N. S. Kamal Azhar, M. N. Hamidon, I. Aris, K. Tashiro, and H. Nagata, "Fruit Battery with Charging Concept for Oil Palm Maturity Sensor," Sensors 2020, 20\(1\), 226; https://doi.org/10.3390/s20010226, 2019\(Dec. 31\).](#)

9. [Nor Aziana Aliteh, Kaiko Minakata, Kunihisa Tashiro, Hiroyuki Wakiwaka, Kazuki Kobayashi, Hirokazu Nagata, Norhisam Misrom, "Fruit Battery Method for Oil Palm Fruit Ripeness Sensor and Comparison with Computer Vision Method", Sensors 2020, 20\(3\), 637; <https://doi.org/10.3390/s20030637>, 2020\(Jan. 23\).](#)
10. [Norhisam Misron, Nisa Syakirah Kamal Azhar, Mohd Nizar Hamidon, Ishak Aris, Kunihisa Tashiro, Hirokazu Nagata, "Effect of Charging Parameter on Fruit Battery-Based Oil Palm Maturity Sensor", Micromachines 2020, 11\(9\), 806; <https://doi.org/10.3390/mi11090806>, 2020 \(Aug. 25\).](#)
11. [Norhisam Misron, Nur Amira Ibrahim, Nisa Syakirah Kamal Azhar, Luqman Mohd Saini, Aravind CV, Kunihisa Tashiro, Hirokazu Nagata, "Implementation of Four Terminal Fruit Battery With Charge Switching," IEEE Access, vol. 9, pp. 128157-128165, 2021 \(Sep. 22\).](#)

招待講演

1. [Kunihisa Tashiro, "Fruit Battery Method for Oil Palm Fruit Ripeness Sensor and Comparison with Computer Vision Method", ICPTech2021, LS-PET-II, 2021 Nov. 23-24 \(Online\).](#)

博士論文

1. [Nor Aziana Aliteh, "Oil palm fruit maturity evaluation with inductive coil and fruit battery method\(誘導コイルと果実電池法を用いたオイルパーム成熟度評価\)", 信州大学博士学位論文, 甲第787号, \(2022.3.20\)](#)