# 研究課題名

複数方向の放射線情報から構築する汚染分布の三次元可視化

## 学術論文(査読あり)

- [1] Yukihisa Sanada, Tadashi Orita, Tatsuo Torii, "Temporal variation of dose rate distribution around the Fukushima Daiichi nuclear power station using unmanned helicopter" Applied Radiation and Isotopes **118**, 308–316 (2016).
- [2] Miyuki Sasaki, Azusa Ishizaki, Yukihisa Sanada, "Development of analysis method for airborne radiation monitoring using the inverse problem solutions" Prog. Nuc. Sci. Tech. in press. (2018).
- [3] Kotaro Ochi, Miyuki Sasaki, Mutsushi Ishida, Yukihisa Sanada, Comparison of airborne and ground-based tools used for radiation measurement in the environment., Prog. Nuc. Sci. Tech. in press. (2018).

#### 国際会議

- [1] Miyuki Sasaki, Yukihisa Sanada, "Development of drone system for environmental radiation measurement" Research conference on radiation measurements for decommissioning of the Fukushima Daiichi NPP (2016).
- [2] Kotaro Ochi, Miyuki Sasaki, Ishida, Mutsushi, Tomohiko Sato, Shoichiro Hamamoto, Taku Nishimura, Yukihisa Sanada, Estimation of depth profile of radiocesium in soil based on characteristics of gamma-ray spectra obtained by airborne radiation monitoring JpGU-AGU Joint Meeting 2017, Chiba, Japan, 2017.
- [3] Miyuki Sasaki, Azusa Ishizaki, Yukihisa Sanada, Basic study for application of inverse radiation problem to airborne radiation measurement, JpGU-AGU Joint Meeting 2017, Chiba, Japan, 2017.
- [4] Kotaro Ochi, Miyuki Sasaki, Ishida, Mutsushi, Shoichiro Hamamoto, Taku Nishimura, Yukihisa Sanada, Study for evaluation method of comparison with airborne and ground radiation measurement, 9th international symposium on radiation safety and detection technology (ISORD-9), Nagoya, Japan, 2017.
- [5] Miyuki Sasaki, Azusa Ishizaki, Yukihisa Sanada, Development of analysis method for airborne radiation monitoring using inverse problem solutions., 9th international symposium on radiation safety and detection technology (ISORD-9), Nagoya, Japan, 2017.

## 国内会議

- [1] 佐々木美雪,福島第一原子力発電所事故後の無人機を用いたモニタリング技術,2; ドローンを用いた放射線モニタリング技術,日本原子力学会2016年春の年会,仙台,2016.
- [2] 佐々木美雪, 空からの放射線計測技術の高度化,1; ドローンによる測定データの地形補正手法の検討, 日本原子力学会 2016 年秋の年会, 久留米, 2016.

### 招待講演等

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