

## UAV-Based Mobile Gamma Spectrometry

Following the accident at the Fukushima-Daiichi power plant, the IAEA Nuclear Science and Instrumentation Laboratory has developed an unmanned aerial vehicle based mobile gamma spectrometry system for environmental monitoring and mapping. The system is based on a commercial hexacopter and includes a variety of detector options, including cameras, Geiger-Mueller spectrometer and LaBr spectrometer, a laser altimeter and a high resolution GNSS. A prototype system has been delivered to Fukushima Prefecture in July 2016. This talk will present the system and its applications.

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**Track Classification:** 3. Advances in sensors, networks and processing