

JNMM Special Issue: Open Source and Geospatial Information Analysis

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Overview

- INMM OSGI WG
- JNMM
- Special Issue

OSGI WG

- INMM's Open Source and Geospatial Information Working Group inaugurated in 2012
- Operates under the International Safeguards technical division
- Meets once per year at the INMM annual meeting, with occasional side events like lectures, workshops
- In the July 2017 meeting, proposed the idea of a special issue of the INMM's Journal of Nuclear Materials Management (JNMM)

JNMM

- Journal of Nuclear Materials Management is the official journal of the Institute of Nuclear Materials Management
- Peer-reviewed
- Covers international safeguards, nonproliferation and arms control, MC&A, packaging, transportation and disposition, and physical protection
- Periodically offers special issues on important and timely issues

Special Issue Proposal

- Information analytics has been growing in visibility, as has its role in international safeguards
- IAEA has specifically called out challenges related to collection, processing, analysis of open source and other multimedia data
- OSGI WG proposed a special issue of JNMM for Fall 2018 on technical R&D in this area
- Example topics:
 - Applications of machine learning
 - Data integration/data fusion of geospatial and text, in-situ sensors, image, or other information
 - Anomaly detection among heterogeneous open source and geospatial data types
 - Information and data forensics
 - Network/graph analytics

Special Issue Logistics

- OSGI WG will be issuing a call for papers December 2017
- If you have topics or authors you think should be included, please contact: zgastel@sandia.gov
- Peer reviewers will also be sought, for researchers who do not wish to submit a paper. Contact zgastel@sandia.gov with your area of expertise to participate.