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[*Abstract*]

Alertissimo: orchestrating LSST broker alerts for scientific workflows

Vujčić, V[1]., Srećković, V.A[2]., Babarogić, S

[1]Astronomical Observatory, Volgina 7, 11060 Belgrade 38, Serbia, ORCID number: 0000-0002-0525-1197
[2]Institute of Physics Belgrade, University of Belgrade, Pregrevica 118, Belgrade, Republic of Serbia, ORCID number: 0000-0001-7938-5748
[3]Faculty of Organizational Sciences, Jove Ilića 154,
11010 Belgrade, Serbia, ORCID number: 0000-0003-3635-4671

[*]Correspondence: veljko@aob.rs

Abstract: Alertissimo is a framework in development for coordinating astronomical alerts from multiple LSST brokers. Its aim is to standardize common broker concepts while also making broker-specific features accessible, using a modular architecture based on an intermediate representation (IR). Alertissimo will provide a domain-specific language (DSL) for defining scientific workflows, helping astronomers combine broker outputs and follow up on events of interest. Future plans include natural language processing (NLP) features, allowing researchers to interact with alerts and workflows through conversational queries. While still at the demonstration stage, Alertissimo is intended as a practical tool for collaborative and reproducible exploration of the dynamic sky.

Keywords: LSST, astronomical alerts, scientific workflows

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