

Esteemed Editor in Chief,

please consider this the manuscript for publication in the Journal of Systems and Software. The manuscript contains the specification, implementation, and evaluation of an architecture recovery tool to support the continuous architecting of big data or data-intensive applications. The tool elicits data-intensive topologies as architecture structures, allows their algorithmical manipulation, enables the detection of anti-patterns existing therein, supports the on-the-fly optimisation of extracted topologies as well as their formal analysis integrating seamlessly with previously-established external tool-support.

The tool was only conceptually introduced and discussed at the Joint Working IEEE/IFIP Conference on Software Architectures (WICSA) in 2015 – we just now completed our extension and field evaluation for the tool in open- and closed-source and are therefore confident that the resulting manuscript may provide a valuable contribution to your journal.

with the hopes of a timely review and successful acceptance, we extend our best regards.

Damian, Marcello, Francesco, Pooyan, and Andrea