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PAPER PRESENTATION

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GI-Tropos: Aligning Requirements-Driven Software Processes with IT Governance

Workshop: Operations and information systems
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Abstract:

Requirements Engineering is closely intertwined with Information Technology (IT) Governance. Aligning IT Governance principles with Requirements-Driven Software Processes allows then to propose governance and management rules for software development to cope with stakeholders' requirements and expectations. Typically, the goal of IT Governance in software engineering is to ensure that the results of a software organization business processes meet the strategic requirements of the organization.

Requirements-driven software processes, such as (I-)Tropos, are development processes using coarse grained (i.e., high-level) and social-oriented models to drive the software life-cycle both in terms of project management and forward engineering techniques. To consolidate both perspectives, this paper proposes a process framework called GI-Tropos including meta-model formalization to extend I-Tropos allowing to align requirements-driven software processes with IT governance.