

Betweenness Centralization Analysis Formalisms on Workflow-Supported Org-Social Networks

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Abstract—The purpose of this paper is to conceive an algorithmic approach to measure betweenness centralities among performers in a workflow-supported org-social network model. The essential part of the approach is a betweenness centrality analysis algorithm to calculate each performer's betweenness centrality and group betweenness centrality on a corresponding workflow-supported org-social network model. We strongly expect that the developed algorithm will be applied to analyzing the degree of work-mediation of each of the performers who are allotted to perform a corresponding workflow procedure.

Keyword—workflow-supported org-social networking knowledge, ICN-based workflow model, betweenness centrality analysis, organizational knowledge discovery, business process intelligence



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