Dear Editor,

Please consider the attached submission of the article “*DyeVC: An Approach for Monitoring and Visualizing Distributed Repositories*” by Cristiano Cesario, Rubén Interian, and Leonardo Murta, as a “research article” to the special issue of SBES 2016 in the Journal of Software Engineering Research and Development (JSERD).

Our paper contributes an approach to provide topology awareness for distributed version control systems by: (1) monitoring and collecting information from registered repositories and their peers, and (2) visualizing collected information in different levels of detail. Our approach can help both developers and repository administrators to understand the dependencies among several distributed repositories.

This paper is an extended version of a paper “*Topology Awareness for Distributed Version Control Systems*”, which was presented at the Brazilian Symposium of Software Engineering (SBES) 2016. We extended the original paper as follows: (1) Section *3.1 – Information Gathering* now discusses how DyeVC discovers the topology from the nodes where it runs and their peers; (2) Section *3.2.5 – Automatic Collapse* was created to discuss a new automatic collapsing feature, which boosts commit history visualization and enables the visualization of repositories with a larger number of commits; (3) Section *3.3 – Behind the Scenes* was totally rewritten. The algorithm that was originally presented gave place to a formal definition of the process underneath DyeVC, using Set Theory; (4) Section *5.3.1 – Automatic Collapsing Evaluation* was created to present the performance enhancement that the new feature of automatic collapse brought to our approach; and (5) Section *6 – Related Work* was enhanced with a table that compares features among DyeVC and related work.

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Kind Regards,

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