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Dear editors,

I am pleased to submit a research article entitled “Automatic Generation of UML Profile Graphical Editors for Papyrus” by Dr. Ran Wei, Dr. Athanasios Zolotas, Dr. Horacio Hoyos Rodriguez, Dr. Simos Gerasimou, Prof. Dimitris Kolovos and Prof. Richard Paige for consideration for publication in the Journal of Software and System Modeling.

This paper is based on our previously published paper in the European Conference on Modelling Foundations and Applications (ECMFA) 2018, which presented our prototype tool and our preliminary findings for automated UML profile graphical editor generation. In this paper, we made significant changes to our previous work to adapt our tool to the latest Papyrus version (our previous work was based on Papyrus version 2.0.0). In addition, we conducted a thorough user experiment to evaluate our tool. We draw the conclusion that our tool can improve the efficiency and productivity of the users for creating Papyrus UML profile graphical editors, through the use of automation.

We think that this manuscript is appropriate for publication by the Journal of Software and System Modelling in the special issue on ECMFA 2018, for its applicability to all Papyrus versions, and the findings obtained through our thorough evaluations.

We confirm that the work presented in the manuscript is original and is not under review elsewhere or published elsewhere. We have no conflicts of interest to disclose.

Thank you for your consideration!

Sincerely,

Ran Wei, PhD
Research Associate, Department of Computer Science,
University of York