*M.R. Mousavi*

*Science of Computer Programming*

*July 25, 2018*

Dear Editors,

Please find attached our manuscript entitled “*Interactive Dynamic Slicing: Tracking Infection Chains with the Slice Navigator*”, which we would like to submit for publication as a *research article* in *Science of Computer Programming*.

The Authors are, in order,

* Arian Treffer, Hasso Plattner Institute, Potsdam, Germany
* Dr. Matthias Uflacker, Hasso Plattner Institute, Potsdam, Germany
* Prof. Hasso Plattner, Hasso Plattner Institute, Potsdam, Germany

This work is an extended version of a paper previously published at IWPD 2016:

A. Treffer and M. Uflacker, “The Slice Navigator: Focused Debugging with Interactive Dynamic Slicing,” in *2016 IEEE International Symposium on Software Reliability* *Engineering Workshops (ISSREW)*, 2016, pp. 175–180.

Since then, we have added a formal foundation for our algorithms, conducted a user study that shows the viability of our approach, and improved many segments of the paper.

Please address all correspondence to Arian Treffer, [arian.treffer@gmail.com](mailto:arian.treffer@gmail.com).

We look forward to hearing from you at your earliest convenience.

Best regards,

Arian Treffer