Dr. Sehitoglu and the Editorial Board of Shape Memory and Superelasticity:

We hope that you will accept our current submission, titled “SMA-REACT: An open-source toolkit for shape memory alloy data visualization and constitutive model calibration,” for consideration toward publication in your journal. This work summarizes the last three years of effort towards developing an open-source SMA constitutive model calibration tool. The paper details the calibration methodology and provides a tutorial on how to use our tool.

The author team believes that this work is truly novel, as constitutive model calibration is a crucial step in the SMA development process, but one that is often overlooked or under-addressed in published work. Furthermore, the open-source nature of our tool (distributed on GitHub under a BSD 3-Clause License) allows for widespread use. We believe it is most appropriate that this article be published in a high-visibility journal such as the Shape Memory and Superelasticity, as this work will lower the barrier to entry for constitutive model calibration.

Thank you for considering our submission.

-Drs. Patrick Walgren and Jacob Mingear