

March 20th, 2019

Dear Editor,

Please find attached the manuscript entitled "A re-examination of the role of friction in the original Social Force Model", submitted for consideration for publication in Safety Science. The article analyses the parameters of the Social Force Model (SFM) involved in the experimental measurements appearing throughout the literature. As you will see, we suggest that tuning the friction (between individuals and the walls) within the SFM, reproduces the experimental fundamental diagram pattern. This aspect has not been completely explored in the literature to our knowledge. The findings of this study can be useful to improve modeling of large crowds and evacuations under high anxiety levels.

This manuscript is not actually being considered elsewhere for publication. The material contained in the manuscript does not infringe upon other copyright material.

Your consideration and review of this manuscript is greatly appreciated.

Sincerely,

The authors.