

1164-57-241      **Lei Chen\*** ([chenlei@caltech.edu](mailto:chenlei@caltech.edu)), 250 S Oak Knoll Ave 207, Pasadena, CA 91101, and **Nick Salter**. *A new proof of Markovic's result of the nonrealizability of mapping class group as homeomorphisms.*

Nielsen realization problem asks which subgroups of the mapping class group can be realized as homeomorphisms/diffeomorphisms. In this talk, I will describe a new way to prove Thurston's Conjecture that the mapping class group itself cannot be realized as homeomorphisms. The strategy uses a translation of this problem to a new problem of finding global fixed-points. Potentially this translation can provide a new way to study Nielsen realization problem for other subgroups. This is a joint work with Nick Salter. (Received January 20, 2021)