### **Accepted Manuscript**

# MODELING AND PREDICTING OPINION FORMATION WITH TRUST PROPAGATION IN ONLINE SOCIAL NETWORKS

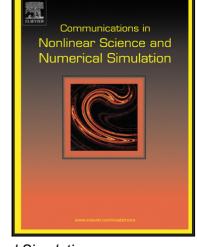
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#### ACCEPTED MANUSCRIPT

#### Highlights

- 1. We present a trust-aware voter model to describe opinion evolution in social networks.
- 2. Individual trust co-evolves with their opinions and the trust propagates from common neighbors.
- 3. Public opinion changes as an exponential mixture form in homogeneous and heterogeneous networks.
- 4. The model well fits and predicts opinion formation over online social networks.



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