ACM Transactions on Internet Technology (TOIT)
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Call for Papers for a Theme Section on
Trust in Social Networks and Systems

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Submission

To submit a paper, please follow the standard instructions:
http://toit.acm.org/submission.html

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Modern networked systems operate across organisational and social boundaries, facilitating interaction among and between entities, both human and computational. For interaction within such complex socio-technical systems to be effective/reliable, however, decisions must be grounded upon identity and associated trustworthiness of potential partners. Trust is foundational for the notion of agency and for its defining relation of acting "on behalf of". It is also central in modelling and supporting groups, teams and organisations, and in modelling the distribution of (mis)information in networked systems.

The aim of this theme section is to bring together leading research on the use of computational models of trust assessment and decision-making in social networks and systems. Submissions to this theme should address key challenges in trust in networks and social systems from theoretical, methodological, empirical or applied perspectives. The scope of the theme includes:

- Trust and risk-aware decision making
- Game-theoretic models of trust
- Deception and fraud, and its detection and prevention
- Intrusion resilience in trusted computing
- Reputation networks
- Privacy and access control in networked systems
- Trust and information provenance
- Trust-based agent organisation/coalition formation
- Detecting and preventing collusion
- Trust in human-network interaction
- Identity, behaviour, and information trustworthiness
- Trust, security and privacy in social networks
- Socio-cognitive models of trust
- Trust and argumentation
- Trustworthy infrastructures and services
- Trust modelling for real-world applications