Keynote: Trust Mechanisms and Their Applications in Dynamic and Mobile Computer Systems

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About the keynote speaker

Jie Wu is chairman and professor in the Department of Computer and Information Sciences, Temple University. He was a program director at US National Science Foundation. His research interests include the areas of wireless networks and mobile computing, routing protocols, fault-tolerant computing, and interconnection networks. He has published more than 450 papers in various journals and conference proceedings. He serves in the editorial board of the IEEE Transactions on Mobile Computing. Dr. Wu was also a general co-chair for IEEE MASS’06, IEEE IPDPS’08, and DCOSS’09. He has served as an IEEE Computer Society distinguished visitor and is the chairman of the IEEE Technical Committee on Distributed Processing (TCDP). Dr. Wu is a fellow of the IEEE.

Summary:

Reputation is the opinion of one entity about another. In an absolute context, it is the trustworthiness of an entity. The talk will start with different ways of building trust between entities based on reputation, which include direct contacts or third-party recommendations. Then different trust mechanisms used in computer systems are discussed and compared. The talk ends with various applications of trust mechanisms in dynamic and mobile computer systems.