

Profile Page



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Research Interests :

Peer-to-Peer Networks, Complex Networks, Wireless Sensor Networks, Social Networks, Application of Linear Algebra and Game Theory in Networks, Statistical Signal Processing, Convex Optimization.

Other Profile Links :

Google Scholar Link :

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Journal Publications :

Year	Journal	Publication
2020	IEEE Transactions on Dependable and Secure Computing, Early Access Article, DOI 10.1109/TDSC.2020.2977641	S.K. Awasthi and Y. N. Singh, "AbsoluteTrust: algorithm for aggregation of trust in peer-to-peer networks"
2019	Journal of Parallel and Distributed Computing-Elsevier Vol. 124, pp. 106 - 118	S. K. Awasthi and Y. N. Singh, Simplified Biased Contribution Index (SBCI): A Mechanism to Make P2P Network Fair and Efficient for Resource Sharing"
2018	IET Electronics Letters, Volume 54, Issue 20, 04 October 2018, pp. 1174 – 1176	S. K. Awasthi and Y. N. Singh, "Biased Contribution Index: A New Faster Convergent Index to Maintain the Fairness in Peer-to-Peer Networks"
2016	IEEE Communications Letters 20 (7), 1345-1348	S. K. Awasthi and Y. N. Singh, "Generalized Analysis of Convergence of Absolute Trust in Peer-to-Peer Networks"
2010	Information Science and Technology, vol.1, Issue 2, 2010, pp. 01-04.	S. Mishra and S. Awasthi, " Design and optimization of Patch Antenna for WLL-Cor-DECT Technology using IE3D",

Conference Publications :

Year	Conference	Publication
2019	ICEIT MCNC 2019, 11-12 April 2019, New Delhi.	Chaitanya Kumar and S.K. Awasthi. "RSS Based Localization in the Presence of Unknown Path-Loss-Exponent"
2017	ICEIT MCNC 2017, 16-17 February 2017, New Delhi. (Given Best Paper Award for conceptual Framework)	S. K. Awasthi and Y.N. Singh, "Reputation System and Incentive Mechanism to Handle the Malicious Peers and Free-riders in Peer-to-Peer Networks,"
2015	ICEIT MCNC 2015, 16-17 April 2015, New Delhi.	Anurag Dwivedi, S. K. Awasthi, Ashutosh Singh, Y. N. Singh, "Flash Crowd Handling in P2P Live Video Streaming Systems,"

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Senior Project Engineer	Consultancy Project	Estimation of the Location of Base Station and Mobile Phone Using RSS	LG Soft India Private Limited)	01-08-2017	03-01-2018	5 Lakhs	Completed	