

## Publications

## Journal Papers

1. **Mayank Pandey**; Varun Kumar Pathak; Banshi Dhar Chaudhary, "A Framework for Interest based Community Evolution and Sharing of Latent Knowledge " International Journal of Grid and Utility Computing, Inderscience, UK, Vol.3, pages: 200 – 213, 2012.
2. Nitin Shukla, **Mayank Pandey**, " Stochastic Modelling and Performance Evaluation of an Event Based System", Future Internet of Things and Cloud (FiCloud), 2014, Barcelona, Spain, 27-29 August 2014, pp 491 – 496.
3. Trivedi, Abha, and **Mayank Pandey**. "Agent-based modelling and simulation of religious crowd gatherings in India." In Advanced Computational and Communication Paradigms, pp. 465-472. Springer, Singapore, 2018.
4. Shabir Ali, Shashwati Banerjea, **Mayank Pandey**, and Neeraj Tyagi. "Towards DHT-Based P2P Resource Sharing Over Hybrid Infrastructure of Wireless Mesh Network and Mobile Ad hoc Networks." In Computing and Network Sustainability, pp. 147-155. Springer, Singapore, 2019.
5. Abha Trivedi and **Mayank Pandey**. "Crowd Management at Ancient Pilgrimage Site: Analysing Architectural Design Using Agent Based Modelling." In International Journal of Advanced Intelligent Paradigms, Inderscience. (Accepted).

## Conference Paper

6. **Mayank Pandey**, Ajit Pal, "Location Management and Paging using Mobility Pattern", 9thAsia-Pacific Conference on Communication 2003, Malaysia, 21-24 September 2003, pp 439 – 443.
7. **Mayank Pandey**, Banshi Dhar Chaudhary, " A Reconfigurable Distributed Broker Infrastructure for Publish Subscribe Based MANET", IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing (SUTC 2008), Taichung, Taiwan, 11-13 June 2008, pp 361-366.
8. **Mayank Pandey**, S. Mushtaq, Banshi Dhar Chaudhary, RT-DHT: A Two-tier DHT for implementing Publish/Subscribe". 7th IFIP/IEEE International Conference on Embedded and Ubiquitous Computing (EUC 2009), Vancouver (Canada), 29-31 August 2009, pp 158-165.
9. **Mayank Pandey**, BanshiDhar Chaudhary, "A Content-Based Publish/Subscribe over Two-Tier DHT Utilizing Domain Ontology", 25th IEEE International Conference on Advanced Information Networking and Applications (AINA), 2011, Biopolis, Singapore, 22-25 March 2011, pp 300-306.
10. **Mayank Pandey**, Banshi Dhar Chaudhary, "A Load Balanced Two-Tier DHT with Improved Lookup Performance of Non-Popular Data Items", 6th International Conference, Grid and Pervasive Computing Oulu, Finland, 11-13 May, 2011, pp 62-71.

11. Debjani Ghosh, Payas Rajan, **Mayank Pandey**, " P2P-VoD Streaming: Design Issues and User Experience Challenges", Second International Conference on Advanced Computing, Networking and Informatics (ICACNI-2014), Kolkata, India, 24-26 June, 2014, pp 169-180.
12. Debjani Ghosh, **Mayank Pandey**, Neeraj Tyagi, " Stochastic modelling and analysis of video on demand system with VCR functionalities", Computer Science and Engineering Conference (ICSEC), 2014 International, Khon Kaen, Thailand, 30 July - 1 August 2014, pp 78-84.
13. Abha Trivedi, and **Mayank Pandey**. "Towards Evaluating Architectural Design of Ancient Pilgrimage Site Using Agent Based Modelling and Simulation." In International Conference on Intelligent Human Computer Interaction, pp. 272-284. Springer, Cham, 2018.
14. Shabir Ali, Shashwati Banerjea, **Mayank Pandey**, and Neeraj Tyagi. "Wireless Fog-Mesh: A Communication and Computation Infrastructure for IoT Based Smart Environments." In International Conference on Mobile, Secure, and Programmable Networking, pp. 322-338. Springer, Cham, 2018.
15. Krishna Vijay Singh, Sakshi Gupta, Saurabh Verma, and **Mayank Pandey**. "Improving performance of TCP for wireless network using SDN." In Proceedings of the 20th International Conference on Distributed Computing and Networking, pp. 267-276. ACM, 2019.
16. Shashwati Banerjea, **Mayank Pandey**, and M. M. Gore. "Large Scale P2P Cloud of Underutilized Computing Resources for Providing MapReduce as a Service." In Proceedings of the 2nd International Conference on Data Engineering and Communication Technology, pp. 211-219. Springer, Singapore, 2019.

#### Book Chapter

17. Debjani Ghosh, Payas Rajan, **Mayank Pandey**, 2014, Book Chapter in "Advanced Computing, Networking and Informatics- Volume 2: Wireless Networks and Security", ISBN 978-3-319-07350-7, Springer Berlin Heidelberg.
18. Anurag Sewak, **Mayank Pandey**, Manoj Madhava Gore, 2016, Book Chapter in "Mobile, Secure and Programmable Networking", ISBN: 978-3-319-50463-6, Lecture Notes in Computer Science (LNCS 10026), Springer Berlin Heidelberg.
19. **Mayank Pandey** & Banshi D. Chaudhary, 2011, Book Chapter in "Advances in Grid and Pervasive Computing", ISBN: 978-3-642-20753-2, Lecture Notes in Computer Science (LNCS 4459), Springer Berlin Heidelberg.
20. Shashwati Banerjea, **Mayank Pandey**, M. M. Gore, " Towards Peer-to-Peer Solution for Utilization of Volunteer Resources to Provide Computation-as-a-Service", 2016 IEEE 30th International Conference on Advanced Information Networking and Applications (AINA), Crans-Montana, Switzerland, 23-25 March 2016, pp 1146-1153. (Best Paper Award)
21. Anurag Sewak, **Mayank Pandey**, Manoj Madhava Gore, "Performance Evaluation of Peer-to-Peer Structured Overlays over Mobile Ad Hoc Networks Having Low Dynamism", Second International Conference on Mobile, Secure and Programmable Networking (MSPN 2016), Paris, France, 1-3 June, 2016.
22. Shashwati Banerjea, **Mayank Pandey**, Ashish Kumar, Rishabh Dugar, M. M. Gore, " Implementation of MapReduce over structured Peer-to-Peer overlay of underutilized resources", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India , 6-9 November 2016.

23. Anurag Sewak, **Mayank Pandey**, Manoj Madhava Gore, "Forming Structured P2P Overlays over Disjoint MANET Clusters", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India , 6-9 November 2016.
24. Krishna Vijay Kumar Singh, **Mayank Pandey**, "Software-Defined Mobility in IP based Wi-Fi Networks: Design Proposal and Future Directions", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India, 6-9 November 2016.
25. Misha Hungyo, **Mayank Pandey**, "SDN based Implementation of Publish/Subscribe Paradigm using OpenFlow Multicast", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India , 6-9 November 2016.
26. Shabir Ali, Anurag Sewak, **Mayank Pandey**, Neeraj Tyagi, "Simulation of P2P Overlays over MANETs: Impediments and Proposed Solution", 9th International Conference on Communication Systems and Networks (COMSNETS-2016), Bangalore, India, 5-7 January 2017.
27. Anurag Sewak, Prakhar Mehrotra, Bhaskar Jha, **Mayank Pandey**, and Manoj Madhava Gore. "AdhocInfra Toggle: Opportunistic Auto-configuration of Wireless Interface for Maintaining Data Sessions in WiFi Networks." In International Conference on Ad-Hoc Networks and Wireless, pp. 184-198. Springer, Cham, 2017.
28. Nitin Shukla, Anurag Bamal, Shashank Srivastava, and **Mayank Pandey**. "SoConference Paper ftware Defined Underlay-aware Structured Peer-to-Peer Overlay". In Proceedings of the 19th International Conference on Distributed Computing and Networking (ICDCN '18), ACM, 2018.