

# Publications of Prof. Chiranjeev Kumar

## International Journal:

1. Mohammad Shameem, **Chiranjeev Kumar**, et al., “**The impact of personality traits and cultural values on coordination effectiveness: A study of software development teams effectiveness**”, *Published in the Journal of Software: Evolution and Process*, (ISSN: 2047-7481), **Vol. 26**, DOI: [doi.org/10.1002/smr.2652](https://doi.org/10.1002/smr.2652), **Year 2024**.
2. G Thirumal, **Chiranjeev Kumar**, and Praveen Kumar Donta, “**Low discrepancy on non-linear sensor deployment in a time-critical linear IIoT network**,” *Published in the IEEE Internet of Things*, (ISSN: 2327-4662), **Vol. 26**, DOI: [doi.org/10.1016/j.iot.2024.101165](https://doi.org/10.1016/j.iot.2024.101165), **Year 2024**.
3. Nand Kumar Jyotish, Lalit Kumar Singh, **Chiranjeev Kumar**, and Pooja Singh, “**Reliability and Performance Evaluation of Safety-Critical Instrumentation and Control Systems of Nuclear Power Plant**,” *Published in the IEEE Transactions on Reliability*, (ISSN: 0018-9529), **Vol. 73**, Issue 1, **March 2024**, pp. 422-437.
4. Nand Kumar Jyotish, Lalit Kumar Singh, **Chiranjeev Kumar**, and Pooja Singh, “**Reliability and Performance Measurement of Safety-Critical Systems Based on Petri Nets: A Case Study of Nuclear Power Plant**,” *Published in the IEEE Transactions on Reliability*, (ISSN: 0018-9529), **Vol. 72**, Issue 4, **December 2023**, pp. 1523-1539.
5. Sudeep Varshney, **Chiranjeev Kumar**, Abhishek Swaroop, “**Sensor Architecture and Routing Algorithm for Surveillance of International Border Using Linear Wireless Sensor Network**,” *Published in the International Journal of Wireless Personal Communications (Springer)*, (ISSN: 0929-6212), **Vol. 132**, No. 1, **September 2023**, pp. 549-569.
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8. Pankaj Pal, Rashmi Priya Sharma, Sachin Tripathi, **Chiranjeev Kumar** and Dharavath Ramesh, “**NSGA-III Based Heterogeneous Transmission Range Selection for Node Deployment in IEEE 802.15.4 Infrastructure for Sugarcane and Rice Crop Monitoring in a Humid Sub-**

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9. Nand Kumar Jyotish, Lalit Kumar Singh, and **Chiranjeev Kumar**, “**Performance measurement of safety-critical systems based on ordinary differential equations and Petri nets: A case study of nuclear power plant,**” *Published in the International Journal of Nuclear Engineering and Technology, (ISSN: 1738-5733), Vol. 55, Issue 3, March 2023, pp. 861-869.*
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12. Rakesh Ranjan Kumar, Mohammad Shameem, and **Chiranjeev Kumar**, “**A computational framework for ranking prediction of cloud services under fuzzy environment,**” *Published in International Journal of Enterprise Information Systems (Taylor & Francis), (ISSN: 1751-7575), Vol. 16, Issue 1, 2022, pp. 167-187.*
13. Pankaj Pal, Rashmi Priya Sharma, Sachin Tripathi, **Chiranjeev Kumar** and Dharavath Ramesh, “**Machine Learning Regression for RF Path Loss Estimation Over Grass Vegetation in IoWSN Monitoring Infrastructure,**” *Published in the IEEE Transactions on Industrial Informatics, (ISSN: 1941-0050), Vol. 18, Issue 10, May 2022, pp. 3351-3377, October 2022, pp. 6981-6990.*
14. Pankaj Pal, Sachin Tripathi, and **Chiranjeev Kumar**, “**Bandwidth estimation in high mobility scenarios of MANET using NSGA-II optimized fuzzy inference system,**” *Published in the International Journal of Applied Soft Computing (Elsevier), (ISSN: 1568-4946), Vol. 123, July 2022.*
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27. Rakesh Ranjan Kumar, Binita Kumari, Chiranjeev Kumar, “**CCS-OSSR: A framework based on Hybrid MCDM for Optimal Service Selection and Ranking of Cloud Computing Services,**” *Published in International Journal of Cluster Computing (Springer), (ISSN: 1573-7543), (Springer), Vol. 24, Issue 2, May 2021, pp. 867-883.*
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