List of Publications

Publication Type	No.
Refereed Journal Articles	67
Refereed Book Chapters	12
Textbooks	3
Edited Books	2
Edited Volumes	15
Submitted to Journals for Publication	6
Refereed Conference Proceedings	135
Non-Refereed Conference Proceedings	9
Other Non-Refereed Publications	6
Total	**255**
Invited talks	**52**

Publication Legend

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🟥	Paper not available
🟩	Full paper available
⬛	Link to publisher/ DOI

Refereed Journal articles (book chapters listed separately): 67

1. Fisher A, Tan X, Billah M, Lingras P, Huang J, Mago V (2024) PAAD: Panelization algorithm for architectural designs. PLoS ONE 19(6): e0303646. https://doi.org/10.1371/journal.pone.0303646

2. Rao, G., Mago, V., Lingras, P. *et al.* AEDNav: indoor navigation for locating automated external defibrillator. *BMC Med Inform Decis Mak* **22** (Suppl 2), 159 (2022). https://doi.org/10.1186/s12911-022-01886-7

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1. Fisher, A., Billah, M., Lingras, P., Huang. J., and Mago, V., 2024. Improving Construction Planning and Design with Artificial Intelligence and Generative Techniques: Current Trends and Directions. Under review in Automation in Construction.

2. Fisher, A., Moreira, L., Billah, M., Lingras, P., and Mago, V., 2024. Building Image Reconstruction and Dimensioning from Two-Dimensional Perspective Drawings. Major revision in Engineering Applications of Artificial Intelligence.

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9. Frempong, G., Kadam, R., Makani, J. and Lingras, P. 2022. Promising Inclusive Schools in the Canadian Nova Scotian Education System: Theory of Change from an Africentric perspective, Refereed Abstract and Presentation, The 21st IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology, Niagara Falls, Canada, November 2022.

10. Kadam, R., Frempong, G., Makani, J. and Lingras, P. 2022. EDI in Higher Education: Applying an Intersectionality Framework using a Data-Driven Approach, Atlantic School of Business Conference, Wolfville, Canada, October 2022.

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Non-Refereed Conference Proceedings: 9

1. Kadam, R. and Lingras, P. 2023. Clusters Evolution Before, During and After the Pandemic, International Joint Conference on Rough Sets (IJCRS 2023), Poland.

2. Akiyama, A., Penny, D., Kotiya, A., Lingras, P. 2018. Backpropagation of fuzzy alerts in a supply chain, Canadian Operational Research Society Annual Conference - CORS2018.

3. MacDonald, R., Qin, Z., Hillard, T., Lingras, P. 2018. Predicting Comfort Levels for Building Energy Management, Canadian Operational Research Society Annual Conference - CORS2018.

4. MacDonald, R., Lingras, P. 2018. Predicting Software Defects based on Static Analysis Metrics, Canadian Operational Research Society Annual Conference - CORS2018.

5. Lingras, P., Trabelsi, S., and Elouedi, Z., 2011. Belief Classification Approach based on Dynamic Core for Web Mining database, International workshop of Rough set Theory.

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8. Lingras, P. 2007. Neighbourhood Sets based on Web Usage Mining, Proceedings of 2007 North American Fuzzy Information Processing Society Conference, pp. 659-664.

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Other Non-Refereed Publications: 6

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3. Lingras, P., 1991. *Qualitative and Quantitative Reasoning in Intelligent Information Systems*, unpublished Ph.D. thesis, Department of Computer Science, University of Regina, Regina, Sask.

4. Lingras, P., and Sharma, S.C., 1989. *Weigh-in-motion System Evaluation*, project report prepared for Saskatchewan Highways and Transportation.

5. Lingras, P., 1988. *Different Perspectives of Probability for Information Science*, unpublished M. Sc. thesis, Department of Computer Science, University of Regina, Regina, Sask.

6. Lingras, P., 1986. *The New Highway Capacity Manual and Economic Analysis for Rural Roads*, unpublished M. Sc. thesis, Faculty of Engineering, University of Regina, Regina, Sask.

Invited talks: 51

(Based on papers listed earlier. The objective is dissemination of research hence some of the topics tend to repeat)

1. Lingras P (2024). Advances in Rough and Soft Clustering: meta-clustering, Global AI Summit 2024, Bennett University, New Delhi, India

2. Lingras P (2020). Advances in Rough and Soft Clustering: meta-clustering, dynamic clustering, data-stream clustering, Bharathiar University, Coimbatore-641 046, Tamil Nadu, India Department of Statistics International Webinar on Data Science using Python

3. Lingras P (2020). Profiling Retail Customers using Unsupervised Learning: A Hands-on Experience, Faculty Development Workshop, Symbiosis International University, Pune, July 10-11, 2020.

4. Lingras P (2020). Rough Clustering and its Applications, Faculty Development Workshop, University of Mumbai, India, June 07, 2020.

5. Second Order Data Mining of Financial Transaction Time-Series for Fraud Detection and Improved Customer Relationship Management Lingras P (2017). Frontiers of Operations Research and Business Studies (FORBS 2018), 11-13 October 2018, Calcutta Business School Kolkata, India

6. Lingras P (2018). Data Mining of Financial Transaction Time-Series for Fraud Detection, Canada Revenue Agency Criminal Investigations Division - Halifax October 3rd 2018, Symposium Agenda The Westin Nova Scotian.

7. Lingras P (2018). Advances in Rough and Soft Clustering: meta-clustering, dynamic clustering, data-stream clustering, IV International Conference on Informatics and Computer Sciences - CICCI 2018, Informatica, 17th International Convention and Fair, Havana, Cuba, March 19-23, 2018.

8. Lingras P (2017). Rough and Soft Clustering, GLS (Gujrat Law Society) University, Ahmedabad, Gujrat, August 17, 2017.

9. Lingras P (2016). Practical Applications of Data Mining at National Institute of Technology, Goa, India Dec 5-9, 2016

10. Lingras P (2016). Advances in Rough and Soft Clustering: meta-clustering, dynamic clustering, data-stream clustering, International Joint Conference on Rough Sets October 7-9, 2016, Santiago, Chile.

11. Lingras P (2015). Recursive and iterative clustering in granular hierarchical, network, and temporal datasets, 2015 IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2015) to be held during November 20-22, 2015

12. Lingras P (2015). Clustering in Temporal Environment: Retail and Financial applications 4th International Conference on "Frontiers in Intelligent Computing, Theory and Application" (FICTA 2015), National Institute of Technology, Durgapur, India, November 16-18, 2015.

13. Lingras P (2014). Big Data Analytics, International Conference on Information and Communication Technology for Competitive Strategies (ICTCS - 2014), Udaipur, India, 14-16 November, 2014.

14. Lingras P (2014). Big Data Analytics, First International Conference on Rough Sets and Knowledge Technologies (ICRSKT), Jawaharlal Nehru University of Technology, Hyderabad, 9-11 November, 2014.

15. Lingras P (2014). Rough Cluster Quality Index Based on Decision Theory, International Conference on Computational Intelligence (ICCIâ€™14) University of Mumbai, India, March 21-22 2014.

16. Lingras P (2013). Recursive and iterative clustering in granular hierarchical, network, and temporal datasets, delivered at the Workshop on Big Data: A Soft Computing Perspective held in conjunction with PREMI 2013 at Indian Statistical Institute (ISI), Kolkata on December 14, 2013.

17. Lingras P (2013). Recursive and iterative clustering in granular hierarchical, network, and temporal datasets, delivered online at the Workshop on Rough Set and Knowledge Technologies, Jawaharlal Nehru Technical University, Hyderbad, India, November 10, 2013.

18. Lingras P (2013). Recursive and iterative clustering in granular hierarchical, network, and temporal datasets, Jodrey School of Computer Science, Acadia University, Wolfeville, Nova Scotia, September 27, 2013.

19. Lingras P (2013). Recursive and iterative clustering in granular hierarchical, network, and temporal datasets, AICTE sponsored faculty development program on Machine Learning and Data Mining approaches: A research perspective, March 30, 2013. College of Engineering Pune, Pune, India.

20. Lingras P (2013). Recursive and iterative clustering in granular hierarchical, network, and temporal datasets, Refresher Course on the Recent Trends in ICT, January 5, 2013, University of Mumbai, Mumbai, Maharashtra.

21. Lingras P (2012). Delivered a two day Research Workshop on "Data Mining using Soft Computing: Applications in Business, Finance, Engineering, Web, and Mobile phones", February 3-4, Kongu Engineering College, Perundurai, Tamilnadu

22. Lingras P (2012). Rough Cluster Quality Index Based on Decision Theory, International Conference on Perspectives of Computer Confluence with Sciences, December 10-12, Nowrosjee Wadia College, Pune.

23. Lingras P (2012). Rough Cluster Quality Index Based on Decision Theory, Workshop on Fuzzy Logic and Related Topics, March 29-30 2012, Modern College, Pune, Maharashtra

24. Lingras P (2012). Rough clustering and its applications, Workshop on Fuzzy Logic and Related Topics, March 29-30 2012, Modern College, Pune, Maharashtra

25. Lingras P (2012). Rough Cluster Quality Index Based on Decision Theory, International Conference on Pattern Recognition, Informatics, and Medical Engineering, Periyar University, Salem, Tamilnadu

26. Lingras P (2012). Research in Soft Computing, April 27, University of Pune, Pune, Maharashtra.

27. Lingras P (2012). Research in Soft Computing, May 6, University of Mumbai, Mumbai, Maharashtra.

28. Lingras P (2012). Rough clustering and its applications, March 9, 2012, Jawaharlal Nehru University, New Delhi.

29. Lingras P (2012). Rough Cluster Quality Index Based on Decision Theory, March 7, 2012, Jawaharlal Nehru University, New Delhi.

30. Lingras P (2011). Rough clustering and its applications, International Workshop on 'Fuzzy sets, Rough Sets: Theory and Applications', November 21-25, 2011. National Institute of Technology, Durgapur, West Bengal.

31. Lingras P (2011). Rough clustering and its applications, Workshop on Soft Computing and Knowledge Mining March 29-30 2011, Department of Computer Applications & Mathematics, Maulana Azad National Institute of Technology , Bhopal.

32. Lingras P (2011). Dual rough support vector regression, Workshop on Soft Computing and Knowledge Mining March 29-30 2011, Department of Computer Applications & Mathematics, Maulana Azad National Institute of Technology , Bhopal.

33. Lingras P (2011). Rough clustering and its applications, Workshop series on Soft Computing, March 31, Post Graduate Department of Computer Science & Engineering, NRI Institute of Information Science & Technology, Bhopal-MP-INDIA

34. Lingras P (2011). Research in data mining, Refresher Course in Computer Science, Department of Computer Science, University of Pune, March 28.

35. Lingras P (2011). Soft clustering, Refresher Course in Computer Science, Department of Computer Science, University of Pune, March 28.

36. Lingras P (2011). Classification using R, Refresher Course in Computer Science, Department of Computer Science, University of Pune, March 27th.

37. Lingras P (2011). Clustering using R, Refresher Course in Computer Science, Department of Computer Science, University of Pune, March 27th.

38. Lingras P (2011). Rough clustering and its applications, Workshop on Research Areas in Soft Computing RASCOMP. 2011, March 18, 2011 organized by Department Of Computer Technology, Kavikulguru Institute Of Technology & Science, Ramtek, Nagpur.

39. Lingras P (2011). Dual rough support vector regression, Workshop on Research Areas in Soft Computing RASCOMP. 2011, March 18, 2011 organized by Department Of Computer Technology, Kavikulguru Institute Of Technology & Science, Ramtek, Nagpur.

40. Lingras P (2011). Rough clustering and its applications, Indian Statistical Institute, Kolkata on March 2.

41. Lingras P (2011). Rough sets, Indian Statistical Institute, Kolkata on Feb 28.

42. Lingras P (2011). Dual rough support vector regression, National Conference on .Emerging Trends in Soft Computing. (NCETSC 11) in Pune from Feb 1-3.

43. Lingras P (2011). Rough support vector machines, Pune University Computing Science department on February 5.

44. Lingras P (2011). Rough sets, National Conference on .Emerging Trends in Soft Computing. (NCETSC 11) in Pune from Feb 1-3.

45. Lingras P (2011). Rough clustering and its applications, International Conference on Knowledge Engineering in Aurangabad from Jan 29-31.

46. Lingras P (2011). Dual rough support vector regression, International Conference on Knowledge Engineering in Aurangabad from Jan 29-31.

47. Lingras P (2010). Dual rough support vector regression, Colloquium on Computational Intelligence (Rough Set based approach) (in Connection to DCIS Foundation Day Celebrations), Central University of Hyderabad, March 23-24, 2010

48. Lingras P (2010). Conservative and Aggressive Dual Rough SVR Modeling, Jodrey School of Computer Science, Acadia University, Wolfville, NS, Feb 12, 2010.

49. Lingras P (2009). Introduction to Rough and Fuzzy sets, International Symposium on Soft computing on December, 1-2, 2009

50. Lingras P (2009). Introduction to Rough and Fuzzy sets, International Workshop on Rough Set, Fuzzy Set and Soft Computing, July 7-8, 2009

51. Lingras P (2007). Conventional, Fuzzy, and Interval Set Based Temporal Cluster Migration Matrices, Jodrey School of Computer Science, Acadia University, Wolfville, NS, September 13, 2007.

52. Lingras P (2004). Conventional, Fuzzy, and Interval Set Based Temporal Cluster Migration Matrices, Department of Computer Science, Hong Kong Baptist University, January, 2004.