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### Invited Talks

56. Keynote at Vexcel Open Day India on "A National Agenda – 'by AI/ML' and 'for AI/ML'," October 09, 2024
55. Invited Talk at the Disaster Resilient and Research Foundation Talk Series on "Earthquake Susceptibility Mapping: In the Context of Single and Multiple Hazards," in the "Earthquake Preparedness and Response" theme, September 30, 2024.
54. Invited Talk at the Virtual Faculty Development Program on Exploring Advanced Machine Learning Techniques, Jain University, on "Machine Learning in Geospatial Applications," June 25, 2024.
53. Invited Talk at the Faculty Development Program on Data Exploration, Feature Engineering, and Visualization, RMK College of Technology, on "Data Visualization," "Graph Visualization," and "Feature Engineering," June 03, 2024.
52. Invited Talk at the HAL Management Academy for a session on Mastering the Art of Research Paper Writing for Designers, "The Research Journey: From Concept to Completion," May 03, 2024.
51. Chief Guest Address at the IEEE International Conference on Emerging Technologies in Computer Science for Interdisciplinary Applications (ICETCS 2024), "Interdisciplinary Perspectives on Research in Computer Science," April 22, 2024.
50. Invited Talk at the GIS Cell, MNNIT Allahabad, "Making Sense of LiDAR Point Clouds," April 12, 2024.
49. Keynote Talk at the International Conference on Contemporary and Sustainable Infrastructure at SJBIT Bangalore, "Advances in Learning Models for Multi-Hazard Susceptibility Mapping," March 15, 2024.
48. Talk at Workshop on Digital Technologies in Psychiatry organized by NIMHANS, University of Newcastle and NEESAMA, on "The Role of AI in Personalized Mental Healthcare," March 08, 2024.
47. Lightning Talk at the Monthly Lightning Talk Series by the WiGIS Professional Development Committee, "Divide and Conquer for Geospatial Big Data Analytics," February 02, 2024.
46. Invited Plenary Talk at the National Conference on Applied Computational Intelligence 2023 (NACI-2023) in association with INSA, New Delhi and organized by JSS Academy of Technical Education, "Ensemble Methods for Point Cloud Analysis," December 22, 2023.
45. Keynote Talk at the 6th International Conference on Computational Intelligence, Cyber Security and Computational Models (ICC<sup>3</sup>-2023), "Ensemble Methods in Spatial Applications," December 16, 2023.
44. Invited Talk at Mphasis, "AI systems for geometry extraction from automotive-environment-sensing," July 28, 2023.
43. Invited Talk at the 5-day Faculty Development Program (FDP) on Research Insights in Civil Engineering (RICE 2023), NIE Mysuru, "Ensemble Methods in Geospatial Applications," July 25, 2023.
42. Invited Talk at the Workshop on Geo-Spatial Data Science, Dept. of Mathematics and Statistics, IIT Tirupathi, "Understanding Uncertainty in Learning Methods for Geospatial Data Analysis," December 14, 2022.
41. Talk at IIIT-B in the Samvaad Talk Series, "Extracting geometry to understand the data from automotive-environment-sensing," November 14, 2022.

40. Invited Talk at the 2022 International Workshop on Remote Sensing and Societal Applications, IEEE GRSS Kolkata Chapter, “Probabilistic Analysis Using Ensemble Methods in Geoscientific Applications,” September 28, 2022.
39. Invited Talk in the CS Katha Bartha Series, School of Computer Science, NISER Bhubaneswar, “Multiscale Computational Thinking in Science and Engineering,” June 29, 2022.
38. Invited Talk at Student Paper Presentation Competition in IEEE GRSS Bangalore Section, “Academic Research: How to Train Your Dragon,” June 04, 2022.
37. Talk at IIIT-B in the Samvaad Talk Series, “Multiscale Computational Thinking in Data Science,” May 16, 2022.
36. Talk at IIIT-B during a visit by Power Grid (PGCIL) Learners’ Team, “Visualization and Analysis of LiDAR Point Clouds (for Remote Sensing and Autonomous Driving),” March 23, 2022.
35. Invited Speaker at ATAL Faculty Development Program (FDP) on *Foundations of Data Science and Machine Learning*, “Heterogeneous Urban Data Analysis and Visualization,” December 27, 2021.
34. Invited Speaker at one-week Short Term Training Program (STTP) on *Computational Intelligence in Remote Sensing*, “Deep Learning for Airborne LiDAR Point Cloud Analysis for Remote Sensing,” December 07, 2021.
33. Invited Speaker at Geospatial Intelligence Symposium, IEEE GRSS Mumbai Chapter, “Deep Learning for Airborne LiDAR Point Cloud Analysis for Remote Sensing,” December 04, 2021.
32. Expert Talk at RCOEM ACM Student Chapter, “Multiscale Methods for Spatial Data Analysis in Diverse Applications,” November 01, 2021.
31. Session Talk at Short Term Course (STC) on Data Analytics and Predictive Technologies, IDAPT, IIT BHU, “Applications of clustering and classification in LiDAR point cloud analysis and brain networks,” July 08, 2021.
30. Talk at IEEE Data & Storage Symposium (DSS) 2021, “Apache Spark-Cassandra Integration for Large-scale LiDAR Point Cloud Analysis,” June 30, 2021.
29. Talk at 2-day Workshop on Data Science and Curation: Spatial Data Science, “Multiscale Methods in Spatial Data Science,” June 25, 2021.
28. Talk at Data Science Webinar Series, MANAV – the Human Atlas Initiative, “Network Science for Functional Segregation of Human Brain,” February 18, 2021.
27. Talk at Spatial Talks Webinar, by Wo-Men Geospatial Coterie, “Geospatial and Internet of Things,” February 13, 2021.
26. Talk at the NeurIPS Bangalore Meetup, “Hierarchical Organization of Functional Segregation of the Brain,” December 18, 2020.
25. Webinar at the Atria Institute of Technology, Department of Computer Science and Engineering, “Data Visualization (Treemaps, Heatmaps, Bar Charts),” November 28, 2020.
24. Session talk at the AICTE ATAL Sponsored Faculty Development Programme on Advanced Geocomputational Techniques, “Scientific Computing for LiDAR Point Cloud Processing,” November 04, 2020.
23. Talk at WiDS Mysuru Meetup 2020, “What can the shape of neighborhood show-and-tell?,” September 06, 2020.
22. Keynote talk at AICWiC 2020, ACM-W, “Data Dissemination during COVID-19: The Rise of Visualizations!,” September 05, 2020.
21. Talk at ACM-W Graduate Cohort, “Online Presence and Personal Branding: You are Your Brand!,” July 24, 2020.
20. Talk at IIIT-B in the Samvaad series, “Geometric Signatures of Airborne LiDAR Point Clouds,” Bengaluru, Karnataka, India, February 17, 2020.

19. Invited (plenary) talk at the 4<sup>th</sup> International Conference on Computational Intelligence, Cyber Security & Computational Models (ICC3) 2019, “Exploiting Spatial Locality in Novel Applications”, Coimbatore, Tamil Nadu, India, December 20, 2019.
18. Project showcase at IBM annual University Relations event, Gratitude, “Visual Analytics of Population Surveys”, Bengaluru, India, November 21, 2019; with Harshitha Ravindra.
17. Poster presentation at Intel India Research Colloquium, “Uncertainty Analysis in Point Cloud Classification: Entropy in Geometric Classification and Semantic Homogeneity”, Bengaluru, India, October 22, 2019; with Pragyan Mohapatra.
16. Invited talk at the Workshop for Women in Data Science and High Performance Computing (WDSHPC18), “Visual Analytics is Komorebi: For Exploring Spatial Relationships in Data and for Leveling the Playing Field in STEM Careers,” HiPC 2018, Bengaluru, Karnataka, India, December 17, 2018.
15. Tutorial at the third International Conference on Intelligent Information Technologies (ICIIT 2018), “Visual Analytics: Bringing Data to Life,” College of Engineering, Guindy, Tamil Nadu, India, December 10, 2018.
14. Keynote talk at the Indo-US Workshop on Modeling Dynamics, Statistical Inference, and Prediction of Infectious Diseases (WMDSIP-ID), “Visualization of Epidemiological Networks: A Case of Exploiting Spatial Locality,” Sri Sathya Sai Institute of Higher Learning, Ananthapur, Andhra Pradesh, India, August 14, 2018.
13. Talk at IIIT-B in the Samvaad series, “Using Spatial Locality for Visual Analytics,” Bengaluru, Karnataka, India, April 30, 2018.
12. Talk on “Visual Analytics of Airborne LiDAR Point Clouds,” at the one-day workshop on Satellite Remote Sensing and Image Analysis, Activities at the Bangalore Section IEEE GRSS Chapter at ISI Bangalore, India, June 12, 2017.
11. Talk on “Visual Analytics in the Time of Big Data,” at the Big Data Workshop at IIIT-B, India, April 19, 2017.
10. Dagstuhl seminar on “Multidisciplinary Approaches to Multivalued Data: Modeling, Visualization, Analysis”, April 2016 – talk on “Substitutability of Symmetric Second-order Tensor Fields: An Application in Urban LiDAR 3D Point Cloud”.
9. Data Science & Big Data Analytics (DSBDA 2015), C-DAC Bangalore, August 2015 – “Focus+Context Techniques for Visualizing Big Data”.
8. DST (Department of Science and Technology, Govt. of India) National Airborne Lidar Meeting, IIT Kanpur, January 2015 – “Remote Interactive Visualization of Parallel Implementation of Structural Feature Extraction of Three-dimensional LIDAR Point Cloud”.
7. ACM-W India Celebrations of Women in Computing (AICWIC 2014), September 2014 – “Visualization: Above All Else Show the Data”.
6. Visualization and Graphics Lab, Indian Institute of Science, July 2012 – “Isosurface Extraction from Hybrid Unstructured Grids Containing Pentahedral Elements”.
5. Monsanto Research Center, Bangalore, February 2012 – “Applying Non-traditional Visualization Techniques for Bioinformatics Datasets”.
4. M. Esteva, W. Xu, J. Sreevalsan-Nair, A. Athalye, and M. Hade, Computational Analysis and Visualization of Electronic Records Collections, presented at the Joint Annual Meeting of the Society of American Archivists and the Council of State Archivists, Austin, TX, August 2009.
3. M. Esteva, W. Xu, J. Sreevalsan-Nair, M. Hade, and A. Athalye, Finding Narratives of Activities through Archival Bond in Electronically Stored Information (ESI), presented at the Global E-Discovery/E-Disclosure Workshop: A Pre-Conference Workshop at the 12th International Conference on Artificial Intelligence and Law, Barcelona, Spain, August 2009.

2. J. Sreevalsan-Nair and W. Xu, Analysis of Evacuation Traces, presented at IEEE VAST Conference Compendium, 2008.
1. E. van Nieuwenhuyse, J. Sreevalsan-Nair, I. Hotz, L. Linsen, and B. Hamann, Demonstration of an interactive data visualization tool for water resource monitoring networks in the Delta and its catchment, laptop demonstration at Interagency Ecological Program (IEP) Annual Workshop 2007, California, 2007.