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Education

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Special Report to the National Science Foundation:

- V.V. Raghavan, Y. Xie, T. Johnsten, R. Benton, B. Lemoine, D. Difallah, "Concept Map-based Organized for REsearch Portfolios (C-MORE)", in *CISE and SBE AC Subcommittee on Discovery in a Research Portfolio: Tools for Structuring, Analyzing, Visualizing and Interacting with Proposal and Award Portfolios*, 20 pages, Nov. 2011.

Journal:

- S. Choubey, R. Benton, and T. Johnsten, "A Holistic End-to-End Prescriptive Maintenance Framework", Data-Enabled Discovery and Applications, Accepted.
- T. Johnsten, L. Fain, L. Fain**,** R. Benton, E. Butler, L. Pannell, and M, Tan, "Exploiting Multi-Layered Vector Spaces for Signal Peptide Detection", International Journal of Data Mining and Bioinformatics, 13 (2), pp. 141-157, 2015.
- or Discovering Potentially

  Vol. 2, No. 2, pp. 107-122, 2011.

Invited Paper for Conferences/Workshops:

- V. V. Raghavan, R. Benton, T. Johnsten, and Y. Xie, "Representations for Large-scale Sequence Data Mining: A Tale of Two Vector Space Models", in International Conference on Rough Sets, Fuzzy Sets, Data Mining, and Granular Computing, pp. 15-25, October 11-14, 2013.

Referred Papers for Conferences/Workshops:

- Y. Zhang, X. Yuan, S. Kimball, S. Foster, E. Beyazit, L. Chen, T. Johnsten, L. Peng, V. Tida, N.

  ECML-PKDD 2021, Accepted.
- W. Green, T. Johnsten, R. Benton, "TADS: Transformation of Anomalies in Data Streams", Workshop on Discriminative Pattern Mining, part of IEEE Big Data, December 10 -13. 2020.
-
  Neural Collaborative Filtering-
  Research in Computer Security, September 14   18, pp. 461-479, 2020.
- T. Johnsten, W. Green, L. Crook, H.Y. Chan, R. Benton, and D. Bourrie, Discovery of Action Rules for Continuously Valued   1st IEEE International Conference on Cognitive Machine Intelligence, December 12   14, 2019.
- S. Choubey   Maintenance: A Framework in Workshop on Big Data Predictive Maintenance using Artificial Intelligence, part of IEEE Big Data, December 9 -12, 2019.
-   -Size Based Multi-   13th International Conference on Malicious and Unwanted Software, October 22   24, pp. 1   10, 2018.
-   -Objective Evolutionary Action Rule Mining

- M. Gillespie, V. Pastukh, R. Langley, D. Roveda, V. King, J. Roberts, T. Johnsten, R. Benton, G.

- T. Johnsten and V.V
  International Conference on Data Mining (Workshop on Privacy, Security and Data Mining),
  Maebashi City, Japan, December 2002.

-
  Achieve Concept-   *InForum* 90, Oak Ridge, TN, 1999.

-
                                      *In Proceedings of ICNPAA98-Second Int'l Conf. on
  Nonlinear Problems in Aviation and Aerospace*, Daytona Beach, FL, 1998.

Technical Reports:

- V. Raghavan, R. Benton, H. Chu, T. Johnsten, and S. Choubey
  Prediction: Data-
  January 12, 2009.

Grants / Contract

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              -2 FEC: Precise Regional Forecasting via Intelligent and Rapid Harnessing of National
  Scale Hydro-m

- Contract #140D0419-9-0004 , Department of Interior, $7,171,606, Senior Investigator, Current.

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  Foundation, IUCRC (Center for Advanced Research in Forensic Science), $25,000, PI, 2019 -
  2020.

-
  for Advanced Research in Forensic Science), $25,000, Co-PI, Current.

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  Forensic Science), $25,000, PI, 2018-2019.

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                                      National Science Foundation, IUCRC (Center for
  Advanced Research in Forensic Science), $25,000, PI, 2018-2019.

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                                              $497,307, Co-PI. 2014.

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                                                     -
  Cancer Research Fund. $10,000, PI. 2011.

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- (Committee Member) (2018)
- - (Co-Chair) (2018)
- (Chair) (2015)
- -based Algorithm for Motif Discovery (Chair) (2015)
- for the Northern Gulf of Mex (Chair) (2011)
- - (Chair) (2011)
- Oleksandr Grygorash (Committee Member) (2006)
- -Spam Email Filtering using Huffman Coding and Statistical (Committee Member) (2005)
- (Co-Chair) (2005)