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Education

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

-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.

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.

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

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

$497,307, Co-PI. 2014.

-

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

(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)