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Curriculum Vitae

Name: Sheela Ramanna

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Brief Biography

Sheela Ramanna is a Professor and past Chair of the Applied Computer Science Department at the University of Winnipeg (UW). She is the co-founder of the UW ACS graduate studies program which was approved in 2012. She received a Ph.D. in CS from Kansas State University, U.S.A (1991) and a BS in EE and MS in CS, Osmania University, Hyderabad, India (1983). She received 8 UW merit awards for exceptional performance. She serves on the EB of Springer Transactions on Rough Sets (TRS) Journal, EAAI Journal (June 2022) and Advisory Board of the International Journal of Rough Sets and Data Analysis; Managing Editor of TRS and Senior Member of the International Rough Set Society. She co-edited a book *Emerging Paradigms in Machine Learning (ML)*, in 2013 published by Springer. She has served as Program Co-Chair for IJCRS2021, MIWAI2013, RSKT2011, RSCTC2010 and JRS2007. She is the recipient of a 2015 TUBITAK Fellowship (Turkey). Her research is funded by NSERC Discovery /Engage /Alliance /MITACS Accelerate grants. Since 1992, she has received more than \$1,130,000 in funding. She has published over 55 articles in the past 10 years and supervised around 20 award winning graduate students since 2012. Her research is in fundamental and applied research in machine learning with computational intelligence (CI) methods which are ideal for solving complex learning and decision-making problems under conditions of uncertainty. Her current research is on foundations and applications of CI methods (rough, near and rough-fuzzy sets) with applications in Natural Language Processing and Multimodal Information Processing. Her research interests also include topological data analysis and persistent homology-based machine learning.