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### **1 Brief Biography**

Dr. Sheela Ramanna is a Full Professor and past Chair of the Applied Computer Science Department. She is the co-founder of the ACS graduate studies program and the founder of the Applied Computer Science undergraduate program at the University of Winnipeg. She received a Ph.D. in Computer Science from Kansas State University, U.S.A and a BS in Electrical Engineering and MS in Computer Science and Engineering from Osmania University, India. She serves on the Editorial Board of Transactions on Rough Sets (TRS) journal and International Journal of Rough Sets and Data Analysis. She is the Managing Editor of the TRS and is a Senior Member of the IRSS. She has co-edited a book on Emerging Paradigms in Machine Learning with L.C. Jain and Robert Hewitt, published in 2013 by Springer. She was an invited speaker at MIWAI 2011 and has served as Program Co-Chair for MIWAI 2013, RSKT 2011, RSCTC 2010 and JRS2007. She has published over 40 articles in the past 6 years. She is the recipient of a TUBITAK Fellowship (Turkey) for 2015. Her research is funded by NSERC Discovery and Engage Grants. She has received more than \$1,118,000 in research funding since 1992. The focus of her research is in fundamental and applied research in machine learning and intelligent systems. Her current interests include: i) foundations of granular computing techniques (fuzzy, rough sets and near sets) with applications in social networks, text categorization and analysis of perception-based image and audio information, and ii) exploration of hybrid methods (including neural networks) for large data sets.

### 3 Partial List of Research Contributions since 2004

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