# Biosketch:

**Robi Polikar, Ph.D.**
Electrical and Computer Engineering
Rowan University, Glassboro, NJ

**Robi Polikar** received his B.Sc. degree in electronics and telecommunications engineering from Istanbul Technical University, Istanbul, Turkey in 1993, and his M.S. and Ph.D. degrees, both co-majors in biomedical engineering and electrical engineering, from Iowa State, in 1995 and in 2000, respectively. In 2001 he joined Electrical and Computer Engineering at the then newly established College of Engineering of Rowan University, in Glassboro, NJ, where he established the Signal Processing and Pattern Recognition Laboratory. In 2003, he received the National Science Foundation's CAREER award – for developing incremental learning algorithms from streaming data. In 2009 he received a new grant from NSF to continue his work on developing algorithms that can also learn in nonstationary environments, even for severely imbalanced datasets. Most recently, he has expanded this work – supported by a new (2013) NSF grant – to semi-supervised and unsupervised learning in initially labeled environments, where – beyond a small initial training data – only unlabeled data are available, drawn from a nonstationary and evolving distribution. His current area of research interest includes adaptive intelligent systems and their various novel applications, such as incremental learning, nonstationary learning, data fusion, imbalanced data and the missing feature problem in automated decision making. He is also working on applying novel machine learning algorithms to biomedical applications, such as early diagnosis of Alzheimer's disease, brain-computer interface, and bioinformatics. In 2012 he was awarded the Professional Progress in Engineering Award by Iowa State University, recognizing an outstanding alumnus in midcareer. Robi is a senior member of IEEE, and an Associate Editor for IEEE Transactions on Neural Networks and Learning Systems, for which he recently guest edited a special issue on Learning in nonstationary and evolving environments. Robi is also a program evaluator for Accreditation Board for Engineering Technology (ABET)