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Santosh Narayan Kabadi 1956-2010

R. Chandrasekaran

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Santosh Narayan Kabadi 1956-2010

Santosh Narayan Kabadi was born in 1956 in Goa, India. He completed his schooling at G.S. Amonkar Vidya Mandir in Goa in 1972 and went on to obtain his B.E. degree in Mechanical Engineering from Victoria Jubilee Technical Institute affiliated with The University of Bombay in 1978. He then did his M.Tech in Industrial Engineering at Indian Institute of Technology, Bombay in 1980 and joined The University of Texas at Dallas where he obtained his PhD in Operations Research in December, 1984. He joined The University of New Brunswick at Fredericton, NB, Canada in 1985 in the Faculty of Administration as an Assistant Professor and quickly rose to hold his current Full Professor position at UNB. Dr. Kabadi passed away in Haridwar, India on the banks of the sacred river Ganga on November 14, 2010.

His areas of interest are network flows, matroid theory, design of online algorithms, very large neighborhood search algorithms, strongly polynomial approximation algorithms, traveling salesman problem and its extensions, linear complementarity problem, total dual integrality, combinatorial optimization, and operations research. He contributed to all these areas and was a prolific researcher. His publications appear in many of the top journals including Mathematics of Operations Research, Linear Algebra and its Applications, Discrete Applied Mathematics, Sankhya, Operations Research, and Discrete Mathematics. He was on the Editorial Board of Algorithmic Operations Research. He has also written a book "Statistical Techniques in Business and Economics" with D. Lind, W. Marshall, R. Mason, S. D. Gupta published by McGraw-Hill Ryerson in 2003 and chapters in *The Traveling Salesman Problem and its Variations*, (G. Gutin and A. Punnen Eds). He has obtained many grants for his research from NSERC, Canada.

His sharp intellect and unique way of looking at problems often proved to be very useful in the final analysis. He kept himself up to date in very many areas of operations research and combinatorial mathematics. He was very generous with his time and effort to help not only his students but many others. This generosity applied to his profession as well as his life outside the university. Some of his co-authors in published articles are Y. P. Aneja, F. Baki , P.K. Banerjee, R. Chandrasekaran, D. Du, S. Lakshminarayanan, L.S. Li, K. G. Murty, K.P.K. Nair, A. Punnen, M.A. Rahim, R. Sridhar and R. Zhang. Just a few days before, he had visited Prabha Sharma at Indian Institute of Technology, Kanpur and they had started working on a new problem. We hope we can complete it in the near future.

He had wide set of interests – in music, cricket, religion, table tennis – to name a few. He would very often switch from one of these to another in a conversation with great ease. Above all, his humanity to others less fortunate was always very apparent in all his dealings.

If I may add a personal note: I have known him for the past thirty years starting as a student at UT Dallas, and as his thesis advisor. He was an exceptional graduate student – by far the best we have seen in the past 35 years at UT Dallas. I am also fortunate to have been a co-author in several of his papers from his student days till very recently. In retrospect, I am not sure who was the teacher and who was the student. I find it difficult to accept that the one person to whom I could turn to get answers to difficult mathematical questions will be no more. As with many of you, I shall miss him very much as a researcher, one on whom I could rely to refine ideas into final form, and as a friend.

R. Chandrasekaran