Dasari Fest

Ramachandra’s 75th Birthday Research & Recollections

July 14, 2007

Stata Center
32 Vassar Street
Massachusetts Institute of Technology
Symposium: Perspectives in Spectroscopy
Lecture Hall, 1st floor Stata Center, Bldg 32, Rm.141

9:00-10:00  Coffee and bagels

10:00-10:45  The IIT Kanpur years
Kumar Utukuri, Rudolph Instruments, Fairfield, NJ
*Our Wonder Years at IITK*

Bansi Lal, Indian Institute of Technology, Kanpur
*Post Dasari laser activities at IITK*

Sivaram Arepalli, NASA Johnson Space Center
*Life Beyond IIT Kanpur: Spectroscopy moving*

Narayana Rao Desai, Univ. of Hydrabad, India
*IITK and DR Rao’s influence on my research*

10:45-12:00  Atomic and molecular
Takeshi Oka, Univ. of Chicago
*Ramachandra’s entry to this continent and the spectroscopy of H3*+

John Thomas, Duke Univ.
*Laser jocks and cold atoms*

Greg Shimkaveg, CREOL, Univ. of Central Florida
*Lessons of gentleness and grace: Guideposts for a lifetime in science*

12:00-1:30  Bag lunch and optional tour of the MIT campus

1:30-3:00  Biology and medicine
Richard Rava, Affymetrix, Santa Clara, CA
*Cloning Ramanchandra: Technologies for understanding complex genetics*

Changhuei Yang, CalTech
*Advances with Ramachandra and time reversal in turbid media: Finding clarity in chaos*

Jason Motz, Wellman Center, Mass. Gen. Hospital
*Vibrations of the heart: Ramachandra’s quest for diagnosing atherosclerosis*

Abigail Haka, Weill Cornell Medical College
*The breast of times, the worst of times: Doing research with Ramachandra*

3:00-3:30  Refreshments

3:30-4:30  Future science
Obrad Šćepanović, MIT Spectroscopy Laboratory
*Multiplexing Ramachandra and multimodal spectroscopy*

Paul Park, MIT Spectroscopy Laboratory
*Dasari methodology for probing grad students and E-field methodology for probing biological cells and tissues*

Condon Lau, MIT Spectroscopy Laboratory
*Ramachandra’s next chapter: Spectral imaging for detecting invisible cancer*

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Reception & Dinner: Recollections
R&D area, 4th floor Stata Center, Bldg 32

6:00-7:00  Reception
7:00-10:30  Dinner and evening program
(Tie and jacket requested)