



# *Dasari Fest*

## *Ramachandra's 75<sup>th</sup> Birthday Research & Recollections*

July 14, 2007

Stata Center  
32 Vassar Street  
Massachusetts Institute of Technology

## Symposium: Perspectives in Spectroscopy

Lecture Hall, 1<sup>st</sup> 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 Hyderabad, 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 H<sub>3</sub><sup>+</sup>*
- 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 Ramachandra: 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, 4<sup>th</sup> floor Stata Center, Bldg 32

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