

## Keynote Address:

**Prof. I. Manna, IIT-Kanpur**  
**Laser Material Processing**

## **List of Invited Speakers:**

<b>Name</b>	<b>Institute</b>	<b>Topic</b>
Dr. Fred Rabb	USA	The Laser Interferometer Gravitational-wave Observatory (LIGO)
Dr. Shekhar Guha	USA	Mid-IR generation through non-linear frequency conversion processes
Dr. Valeria D. Kleiman	USA	Ultrafast spectroscopy to study energy transport in dendrimers and conjugated polymers whose electronic and optical properties can be coherently controlled at the molecular level
Dr. Anatoly Faenov	Japan	Radiation trend in interaction of Petawatt-class ultrashort laser pulses with thin foils
Dr. G. Ravindra Kumar	TIFR	High Energy Density Science on a Table Top
Sh. H. B. Srivastava	LASTEC	Lasers in Homeland Security
Dr. K. Muraleedharan	CGCRI	Design and fabrication of advanced laser materials
Dr. R. K. Sharma	SSPL	Lasers in the field of design and development of aerospace missiles
Dr. P. K. Mishra	Engg. College of Pune	Laser based micromanufacturing for the future
Dr. G. V. Pavan Kumar	IISER	Pune: Advanced Optical Nanoscope to probe nanostructures
Dr. K. S. Bindra	RRCAT	Development of DPSSL for applications in nuclear technology
Dr. D. Goswami	IIT Kanpur	Femtosecond Pulse shaping of MHz repetition rate pulses and their applications
Dr. Surajit Dhara	University of Hyderabad	Liquid crystal based tunable Microresonators and Microlasers
Dr. Chandrabhas Narayana	JNCASR	Laser Brillouin & Raman Scattering and Materials properties
Dr. Jyotishman Dasgupta	TIFR	Ultrafast Raman Spectroscopy and its Applications in Biology

Dr. Soumen Bhattacharya	BARC	Laser Spectroscopy of complex metal cluster structures in supersonic molecular beam
Dr. Arnab Sarkar	FCD, BARC	Chemometric regression approach for study of nuclear materials using LIBS
Dr. Aniruddha Kumar	BARC-Tarapur	Laser applications in nuclear fuel fabrication
Dr. Raktim Dasgupta	RRCAT	Laser Biomedical Applications
Dr. Om Prakash	RRCAT	Fiber Bragg Gratings fabrication and their utilization for sensor development
Dr. Rama Chari	RRCAT	Ultrafast dynamics in nano structures
Dr. T. Kundu	IIT Bombay	Photonic Sensors: Applications to Health & Agriculture
Dr. B. D. Gupta	IIT Delhi	Plasmonics based fiber optic chemical and biosensor
Dr. M. L. Shah	BARC	Spectroscopic investigations of lanthanides and actinides using simultaneous LIF and photoionization techniques