Annual Report of IIT Madras SPIE Student Chapter
India

January 2010- January 2011

Name and E-mail addresses of our officers:

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Details of Chapters activities since last report

1. We have organize a video conference lecture program on 25th, February, 2010 by
   **Dr. John C. Mather (2006 Physics Noble laureate)**, NASA's Goddard Space Flight Center, Observational Cosmology, USA. His presentation on “From the Big Bang to the Nobel Prize and on to James Webb Space Telescope” provided an opportunity to learn the current state of space technology by the Faculty and the student members of IIT Madras.

John C. Mather’s video conference program held on 25th, February, 2010 at IIT Madras and the picture taken when he received the Nobel Prize from Majesty King Carl XVI Gustaf of Sweden at the Stockholm Concert Hall, 10 December 2006.
2. We have invited 4-D Technology Company to deliver a lecture for our student chapter members on recent advances in optics technology 20\textsuperscript{th} July, 2010.

3. The IIT Madras student chapter has organized \textit{50 YEARS OF LASERS} on 30\textsuperscript{th} October, 2010. Around 130 participants are taken part in the program and benefited from celebrations. All the student chapter members have presented their research work and interacted with the experts in the field of optics and photonics. Few lectures were delivered by experts in optics and photonics on ‘\textit{50 years of lasers}’ celebration day.

In addition the nearby \textbf{School Children} who are studying 11\textsuperscript{th} and 12\textsuperscript{th} Standard are also taken part in the program. The 50 years of Lasers program also conducted a demonstration of series of Laser based experiments that include Holography, Fiber Optics, CW and Pulsed Lasers.
Participants of Faculty, Student chapter members and School Children during the 50 YEARS OF LASERS organized on 30th October, 2010.

Experts in the field of optics and photonics delivered the lectures during the one day celebration of 50 YEARS OF LASERS.

Poster session where all the student chapter members presented their research work.
4. Our chapter secretary Manas P. attended the conference Optics & Photonics – 2010, San Diego, CA in August 2010 for SPIE Student Chapter Annual Meeting. He has also presented the chapter activities during last one year as well as a research paper.

Details of Planned activities for the future

1. Seminar talks by the members of the chapter will be continued.
2. One day workshop for research scholars from different parts of the country working in the area of optics.
3. We are going to invite experts in the field of “Optics & Photonics” for invited talks and to interact with the students under visiting lecture program.
**Financial Statement**

**Chapter Bank Account:**

Name of the Account: IIT Madras SPIE Student Chapter  
Account No: 10620825659  
SHIFT SBININBB453 SHIFT CODE: 1055  
STATE BANK OF INDIA, IIT MADRAS BRANCH

**INCOME** (In Indian Rupees)  
From 1.1.2010 to 31.1.2010  
Balance brought forward : 130228.84  
Annual Grant Received from SPIE on 05.04.2010 : 29176.43  
Bank Interest on 30.06.2010 : 2475.00  
Money received from Holmarc Kochi India on 05.04.2010 : 25000.00  
Bank Interest on 31.12.2010 : 2663.00  
Total Income : 189543.27

**EXPENDITURE** (In Indian Rupees)

John C. Mather’s Noble Laureate vide on conference program held on 25th, February, 2010 : 2702.00  
4-D Technology Company Lecture Program on 20th July 2010 : 470.00  
50 YEARS OF LASERS program organized on 30th October, 2010 : 46934.50

Total Expenditure 50106.50  
Balance as on 31.1.2011 : 139436.77

1. Total Income: Rs. 189543.27  
2. Total Expenditure: Rs. 50106.50  
3. Net Balance (as on 31st Jan 2009): Rs. 139436.77

The financial statement contains the totals of expenditure under various sub-heads. Details of expenditures are available with the chapter along with the bills and vouchers.