

Tentative Programme for the Workshop on Bio-Medical Imaging

Venue: Outreach Building

Day1: Feb 22, 2016 (Monday)

8:30 AM – 9:00 AM - Registration & Breakfast (at the venue)

9:00 AM – 9:15 AM Inaugural (Dean)

9:15 AM - 10:00 AM Talk - 1 - An overview on Imaging by Dr. R. K. S. Rathore, IITK

10:00 AM – 10:45 AM Talk - 2 Introductions to Human Anatomy by Dr. Amit Mehndiratta – IITD

10:45AM- 11:00 AM Tea Break

11:00 AM – 11:55 AM Talk - 2 - CT (Part -1) by Dr. Amit Mehndiratta – IITD

Introduction to CT

12:00 Noon – 1:00 PM Talk - 3 - CT (part -2) by Dr. Naren Naik, IITK

Tomographic Reconstructions - Linear

1:00 PM – 2:00 PM LUNCH BREAK

2:00 PM – 3:00 PM Talk - 4 – CT (Part-3) by Dr. Naren Naik, IITK

Tomographic Reconstructions - Nonlinear

3:00 PM – 3:30 PM Tea Break

3:30 PM – 5:00 PM Talk 5 – MRI Dr. Anup Singh, IITD

Introduction to MRI & Applications

5:00 PM – 5:15PM Tea Break

5:15 PM – 6:15PM Talk 6 – FMRI Dr. Rahul Garg, IITD

Introduction to FMRI & Applications

6:25 PM (VISIT to the LABS)

8:00 PM Dinner

Day -2 Feb 23, 2016-01-20 16 (Tuesday)

8:30 AM – 9:00 AM (Breakfast & Tea at the venue)

9:00 AM – 10:00 AM by Dr. Rathish, IITK

PDE Based Image Processing & Application to Bio-Medical Images

10:00 AM – 11:00 AM Talk 7 by Dr. Venkat Subramaniam, NIMHANS. Bangalore

Computational Psychiatry: Current Perspectives & Future Directions

11:00 AM – 11:15 AM Teak Break

11:15 AM – 12:15 PM Talk 8 by Dr. S. Gambhir, SGPGI, Lucknow

Changing paradigm in clinical Imaging: Tailoring imaging tools
for evolving needs

12:15 PM – 1:15 PM Talk 9 by Dr. Alok Bajpai, Regency Hospital, Kanpur

Where and When in The Brain?

1:15 PM – 2:15 PM Talk Lunch Break

2:15 PM – 3:00 PM Talk by Dr. Jaleel Akthar, IITK

THz Biomedical Imaging

3:00 PM – 3:45 PM Talk by Dr. Naren Naik, IITK

Fluorescence Optical Tomography for Cancer Detection

3:45 PM – 4:00 PM Tea Break

4:00 PM – 5:30 PM (PANEL DISCUSSION) (RKSAR, ASIMA, GAMBHIR, Venkat Subramaniam, Alok Bajpai etc.)

5:30 – 5:45 PM Valedictory (IITK)

5:45 PM: TEA