

**Day -1**  
**20<sup>th</sup> October, 2022**  
**(Thursday)**

Time	Particulars
9:15 -9:30	Inaugural Session
Session I	Chairperson
9:30 – 10:30	Dr. M. Suheshkumar Singh, IISER TVM <i>Title: Design and development of photoacoustic imaging(PAI)</i>
10:30 – 11:30	Dr. Hemanth Thayyullathil <i>Title: Principles of magnetic resonance imaging (MRI)</i>
11:30 – 11:40	Tea Break
11:40 – 12:40	Dr. Subhamoy Mondal, IIT KGP <i>Title: Visual quality improvement for optoacoustic imaging</i>
12:40– 13:40	Dr. Himanshu Shekhar, IIT GN <i>Title: Contrast-enhanced ultrasound imaging</i>
13:40– 14:30	Lunch Break
14:30– 15:30	Dr. Karla P. Mercado-Shekhar, IITGN <i>Title: Ultrasound Elastography (Imaging the Biomedical properties of tissues)</i>
15:30– 18:00	Workshop



**Day -2**  
**(Forenoon session)**  
**21<sup>st</sup> October, 2022**  
**(Friday)**

Time	Particulars
9:15 -9:30	Inaugural Session
Session II	Chairperson
9:30 – 10:10	Prof. Phaneendra K Yalavarthy, CDS, IISC, Bangalore <i>Title: The Edge of Artificial Intelligence: Self-driving Medical Image Analysis</i>
10:10 – 10:50	Dr. Jaya Prakash, IAP, IISC, Bangalore <i>Title: Deep learning-based approaches for improving optoacoustic image quality</i>
10:50 – 11:00	Tea Break
11:00 – 11:40	Dr. M. Suheshkumar Singh, IISER TVM <i>Title: MEMS PMUT based photoacoustic microscopy imaging system</i>
11:40– 12:20	Prof. Arun Thittai, IITM <i>Title: High-frequency ultrasound imaging, which will be relevant to ophthalmology applications</i>
12:20– 13:00	Dr Vishal R Raval, LV Prasad Eye Institute <i>Title: Retinal Imaging : present and future prospects</i>
13:00– 14:30	Lunch Break



Time	Particulars
Session II	Chairperson
14:30 – 15:10	Roger Kim <i>Title: Power of Vantage Technology</i>
15:10 – 15:40	Dr. Mithun kuniyil ajith singh <i>Title: Emerging clinical applications of LED-based photoacoustic imaging</i>
15:40 – 17:20	Tea Break & Poster Session
17:20 – 18:30	Workshop



**Day -3**  
**(Forenoon session)**  
**22<sup>nd</sup> October, 2022**  
**(Friday)**

Time	Particulars
Session III	Chairperson
9:30 – 10:10	Prof. Lihong V Wang , California Institute of Technology <i>Title: Photoacoustic Tomography of Molecular Absorption from Organelles to Patients</i>
10:10 – 10:50	Dr. Venu Gopal, Regional Cancer Centre (RCC) <i>Title: Imaging - how it works , pertaining to Breast</i>
10:50 – 11:00	Tea Break
11:00 – 11:40	Dr. Hemanth T, Philips, Bangalore <i>Title: Navigating through the 'choreographies' in MR so far</i>
11:40– 12:20	Dr. Himanshu Shekhar, IIT GN <i>Title: Imaging approaches for monitoring ultrasound-based therapy</i>
12:20– 13:00	Prof. Daniel Razansky, ETH Zurich <i>Title: Advanced optoacoustic imaging methods for biological research and clinical diagnostics</i>
13:00– 14:00	Lunch Break



**Day -3**  
**(Afternoon session)**  
**22<sup>nd</sup> October, 2022**  
**(Friday)**

Time	Particulars
Session III	Chairperson
14:00 – 14:40	Dr. Karla P. Mercado-Shekhar, IITGN <i>Title: Quantitative ultrasound approaches for guiding tumor resection</i>
15:10 – 15:50	Dr. Subhamoy Mandal <i>Title: Optoacoustic and augmented intraoperative imaging - From Signals to Surgeries</i>
15:50 – 16:30	Dr. kalaivani Ganesan <i>Title: How Government along with scientists can achieve Atmanirbhar for India's healthcare technologies needs?</i>
16:30 – 16:40	Prize Distribution and Concluding Remarks
16:40 – 17:00	Tea Break
17:00 – 18:30	Workshop