

IEEE
SAUS 2024
IEEE SOUTH ASIAN ULTRASONICS SYMPOSIUM
27-29 March 2024 || Indian Institute of Technology (IIT) Gandhinagar, Gujarat, India

Conference Highlights

Himanshu Shekhar and Arun Thittai
General Chairs

Karla Mercado-Shekhar and Mahesh Panicker
Technical Program Chairs

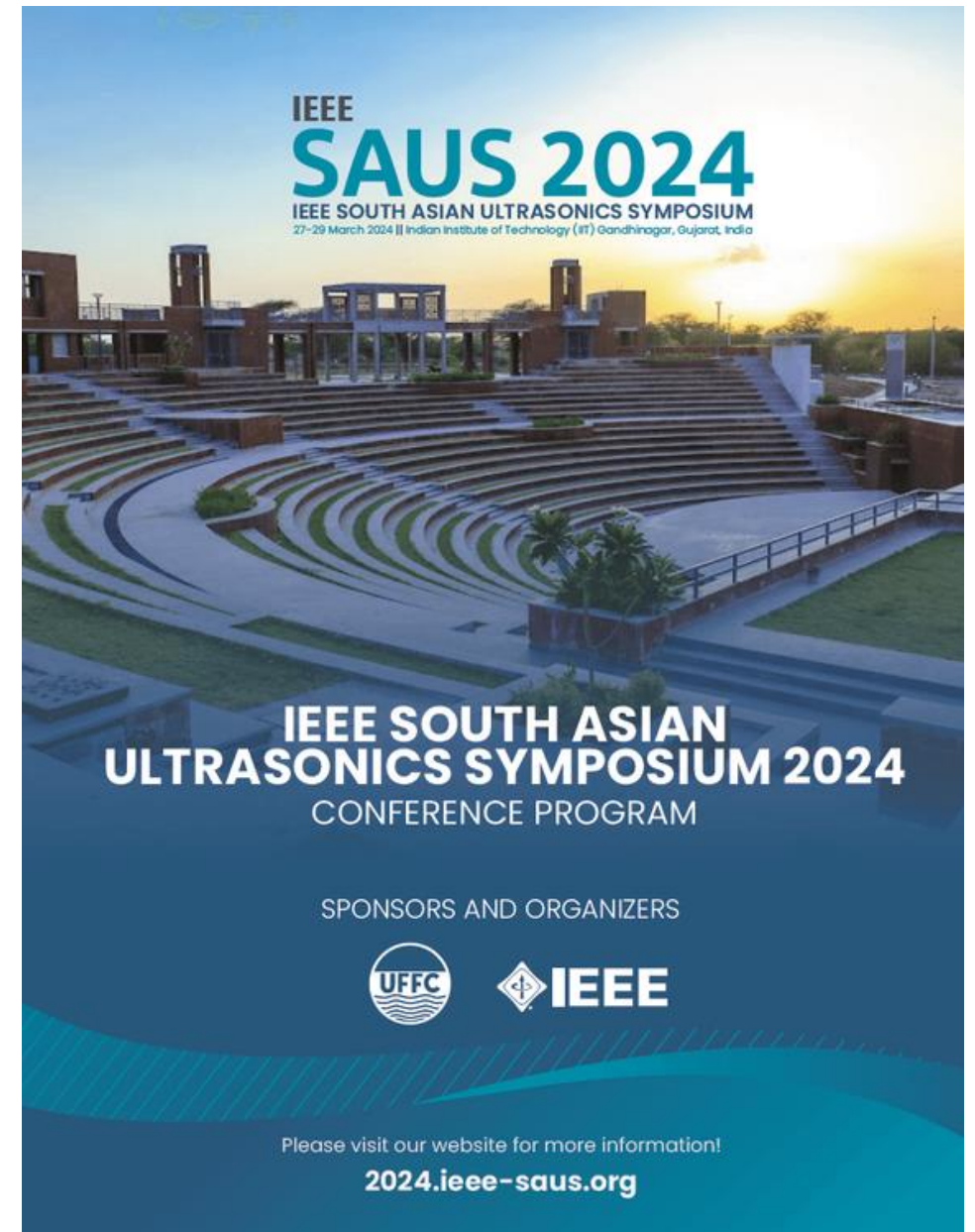
Attendance and participation

- In-person participants: 149
- Online participants: 19
- International participants: 25 (from the USA, France, UK, The Netherlands, Italy, Poland, Singapore, Israel, Brazil, and Morocco)
- Number of podium presentations: 45
- Number of poster presentations/ flash talks: 58



Double-blind peer review

- Number of submissions: Total: 119
Regular: 93, Late-breaking: 26
- Accepted for podium: 46
- Accepted for poster/ flash talk: 61
- Number of reviewers: 22
- No parallel tracks



Pre-conference tutorials

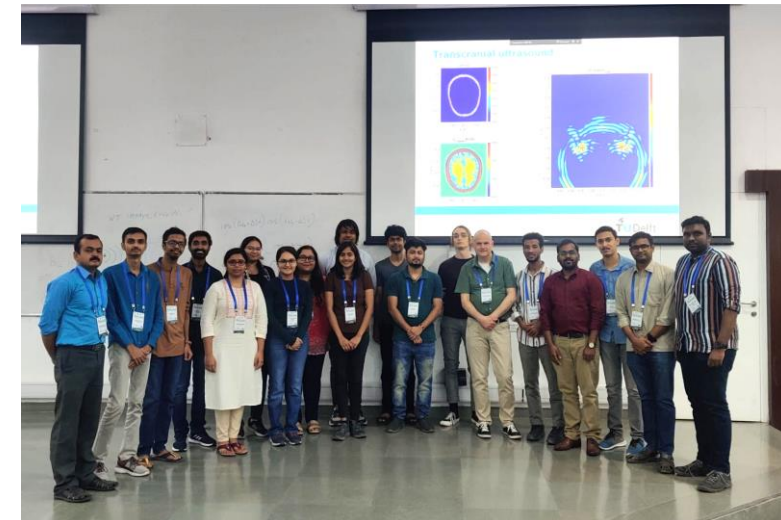
26th March

Prof. Koen van Dongen (TU Delft): "From acoustic field equations to imaging and full waveform inversion."

Dr. Deep Bera (Samsung Research): "Mastering ultrasound imaging with Field II."

Dr. Navchetan Awasthi (University of Amsterdam): "Artificial Intelligence in Ultrasound Imaging."

Number of participants: 43



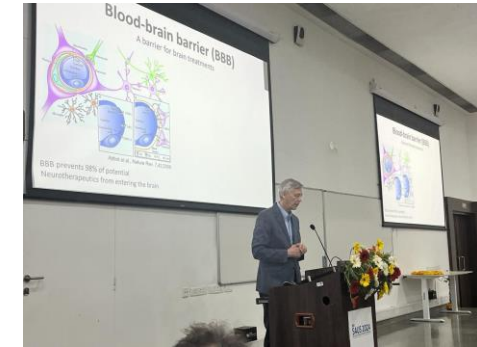
Keynote speakers



Prof. F. Levent Degertekin, Georgia Tech: “CMUT Based Systems with Applications Ranging from Intravascular to Transcranial Ultrasound”



Prof. Kullervo Hynynen, Sunnybrook Health Sciences Centre: “MRI-guided Focused Ultrasound for Noninvasive Brain Treatments”



Prof. Christy Holland, U. Cincinnati: “Ultrasound Image-guided Catheter-directed Therapies to Treat Cardiovascular Disease”



Dr. Suresh Seshadri, Medican Systems: “Artificial Intelligence in Fetal Medicine”



Invited speakers



Prof. Ashish Ranjan, UT Southwestern Medical Center: Chemo-immunotherapy of Solid Tumors with Focused Ultrasound and Nanomedicines



Prof. Ayache Bouakaz INSERM: “Ultrasound and Microbubbles for Anticancer Drug Delivery: From Physics to Clinics”



Prof. Phaneendra Yalavarthy, Indian Institute of Science: “Navigating Challenges in Artificial Intelligence based Ultrasound Image Analysis”



Dr. Chrit Moonen, FUS Foundation: “Focused Ultrasound Histotripsy Combined with Immune Checkpoint Inhibition for the Treatment of Advanced Cancer: From Preclinical Research to Phase I Clinical Trial”



Prof. Krishnan Balasubramanian, IIT Madras: “Asset and process integrity monitoring: Guided ultrasonic waves journey”

Invited clinical speakers



Dr. K. Vijayan, Royal Healthcare Hospital:
“Not an Axon More Not a Neuron Less”



Prof. Vikas V, NIMHANS Bangalore:
“Ultrasound in Brain Surgery - For
Preservation and Destruction”



Prof. Vishal Raval, L. V. Prasad Eye
Institute: “Ocular Ultrasound: Past,
Present, and Future”

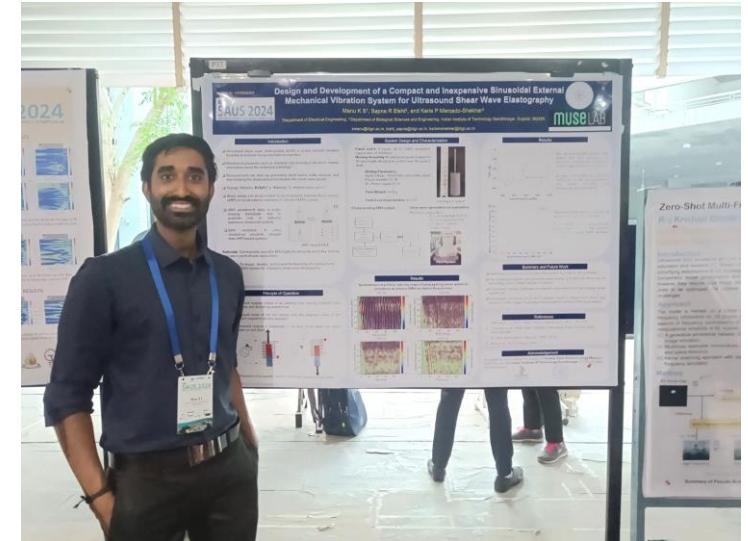
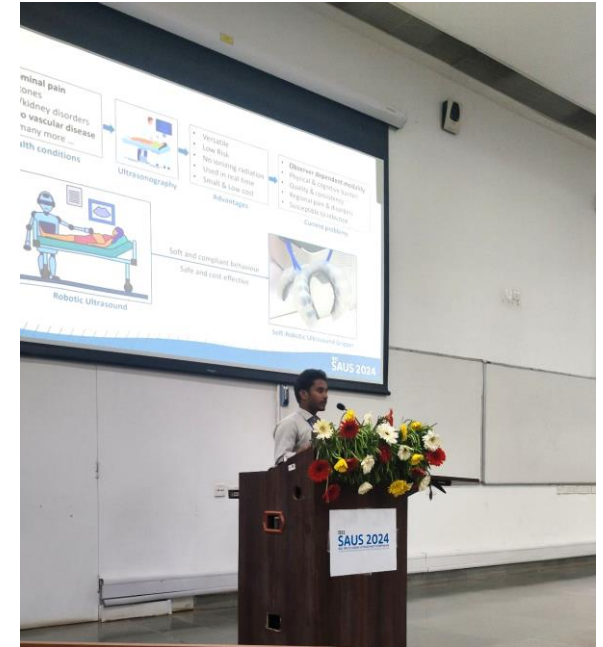


Young Professional & Women in Engineering Events

- Student social
- Networking and mentorship dinner
- Dr. Chintan Oza: Talk on entrepreneurship opportunities
- Prof. Christy K. Holland: How to respond to peer reviews of a submitted journal paper



Poster presentations and flash talks



Social and cultural events

IEEE UFFC Society Appreciation Dinner, 26th March



Social and cultural events

27th March evening: Gala Dinner

28th March evening: Fountain Dinner

All meals were provided at the event



Social and cultural events

28th March evening: Folk Dance by the Saptak folk dance group



Student paper and poster prize winners

Best Paper awardees:

1st prize - Yashwanth Nanda Kumar, University of Washington

2nd prize - Madhavanunni A N, Indian Institute of Technology Palakkad

3rd prize - Aniket Sabale, Indian Institute of Technology Hyderabad

Honorable Mentions:

- Sri Harsha Paladugu, Indian Institute of Science Bangalore
- Bar Glickstein, Tel Aviv University

Best Poster awardees:

1st prize - Manu K S, Indian Institute of Technology Gandhinagar

2nd prize - Jyothish Raj, Indian Institute of Science, Bangalore

3rd prize - Jagruti Patil, Indian Institute of Technology Gandhinagar



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Claire Folkerts from Conference Catalysts!

