

ICBSII 2021

Biomedical Department annual extravaganza! the IEEE Seventh International Conference of Biosignal, Images and Instrumentation 2021 (ICBSII 21) organized on March 25 – 27, 2021, brought together chief guest, guests of honor, speakers and participants from various parts of the world. ICBSII 21 was held virtually, organized by Department of Biomedical Engineering, Sri Sivasubramaniya Nadar College of Engineering. The event was a great success with heart full support of **Dr. Kala Vijayakumar**, President of Sri Sivasubramaniya Nadar Institutions, Pro Chancellor, Shiv Nadar University, Chennai, **Dr. Sriraman Kumar Bhattacharyya**, Vice Chancellor of Shiv Nadar University, Chennai and **Dr. V.E. Annamalai**, Principal of Sri Sivasubramaniya Nadar College of Engineering by making them virtually available for the conference 2021. The conference had its own positive vibes and enthusiasm, also spreading the same to the guests, speakers and the participants and it was possible only by our Head of the Department **Dr. A. Kavitha**, Department of Biomedical Engineering, Sri Sivasubramaniya Nadar College of Engineering.

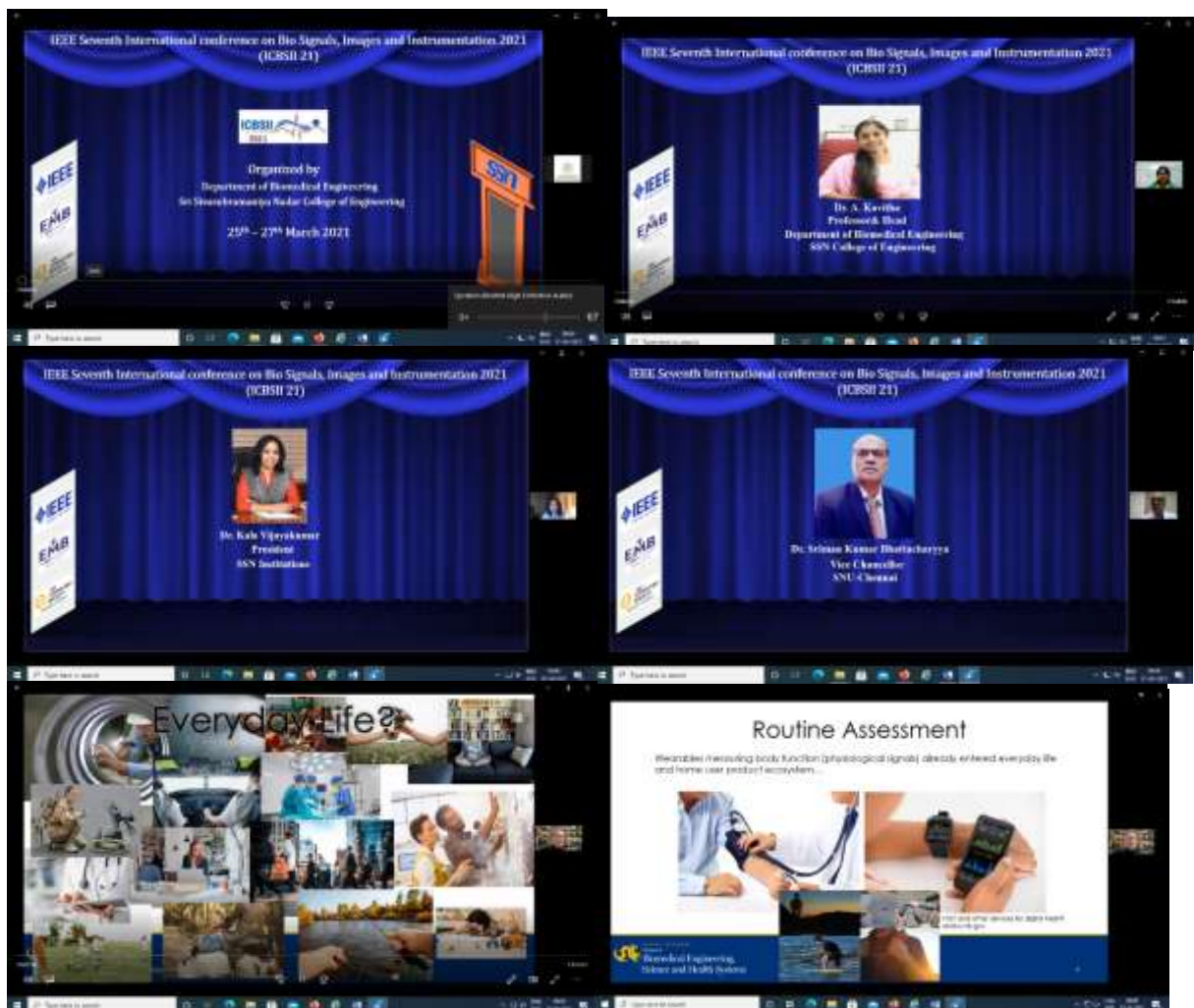
The keynote address was delivered by the expert members in various topics on Human Voice Analysis, Mental Health – Brain Stimulation, Biomechanics and Rehabilitation Engineering, Development of Medical Devices, and Clinical Engineering.

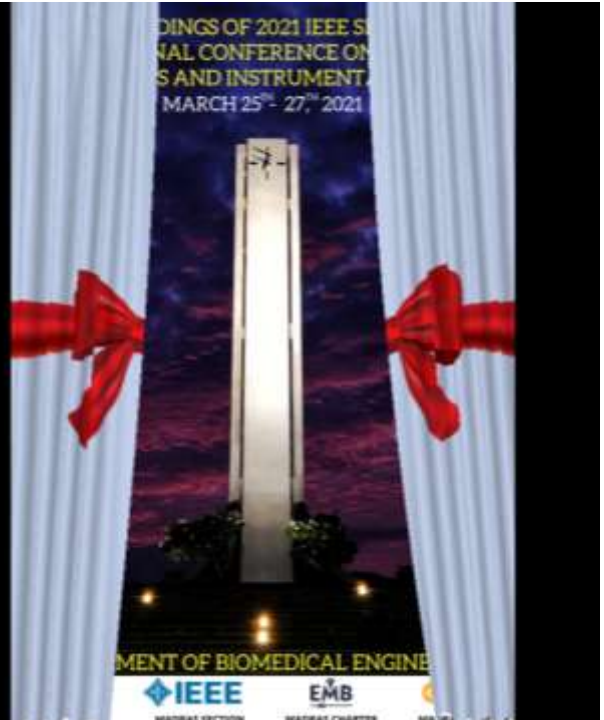
Dr. Hasan Ayaz, Cognitive and Quantitative Experimental Research Drexel University, USA was invited as chief guest for the inaugural function and **Dr. Sriram Balasubramanian**, Orthopedic Biomechanics, Drexel University, USA, **Dr. Catherine Von Reyn**, Neural Circuit Engineering Drexel University, USA, **Dr. N. Kumarappan**, Chairman, IEEE Madras section, **Dr. G. S. Bhuvaneshwar**, Consultant Medical Devices, Former Head, BMT, SCTIMST and **Mr. R. Balamurugan**, Sr Vice President, HCL Technologies, Chennai were invited as guests of honour for the inaugural function.

Dr. Jan G. Svec, Associate Professor, Department of Biophysics, Palacky University Olomouc, Czech Republic; Associate Research Scientist, Voice and Hearing Centre, Prague, Czech Republic gave talk on “Physiology and Acoustics of Human Voice”. **Dr. Barbara Zitova**, HOD, Department of Image Processing, ÚTIA AV ČR, Prague, Czech Republic, delivered a talk on the topic “Medical imaging in computer aided diagnosis, focused on voice therapy”. **Dr. Sudhir Ganesan**, Ortho Spine Surgeon, SRIHER, Chennai, delivered a talk titled “The Prospects of Engineering in Medicine –A Spine Surgeon's Perspective”. **Dr. M. Murugappan**, Associate Professor, Department of Electronics and Communication Engineering, Kuwait College of Science and Technology, Doha, Kuwait gave an effective talk on “Affective Computing Applications in Healthcare”. **Dr. S. Kailash**, Associate Professor, Department of Psychiatry, Chettinad Hospital and Research Institute, delivered a talk on “Brain stimulation methods in psychiatry”. **Dr. Hugo Gamboa**, Associate Professor, Physics Department of the Sciences and Technology Faculty of the Universidade Nova de Lisboa, gave a talk on “Making Sense of Bio signals”. **Dr. Deepak Joshi**, Assistant Professor, Centre for Biomedical Engineering, Indian Institute of Technology, Delhi, gave an insightful talk on “Biomechanics and Rehabilitation”. **Ms. Jesin James**, Lecturer, Department of

Electrical, Computer, and Software Engineering at the University of Auckland, New Zealand, delivered a talk on “Languages and emotions: Towards speech technology development for under-resourced languages and secondary emotions”. Followed by *Dr. Justin Dauwels*, Associate Professor, Circuits and Systems (CAS), Department of Microelectronics, Delft University of Technology, Netherlands gave a talk on the topic “Artificial Intelligence for Applications in Neurology”. Participants from other institution presented their research work in the paper presentation forum.

Day 1 conference had one chief guest, five guests of honour on inauguration session, followed by paper presentation and two keynote speakers from Czech Republic. Day 2 had four keynote speakers from various field and university, with Paper presentations. The final day of conference had three keynote speakers from different universities, Paper Presentation and Valedictory session handled to two guests holding senior positions in various memberships and organizations. ICBSII 21 stays unique by receiving more than 200 papers and about one third were accepted for publication. ICBSII 21 had proud moments by arranging abroad university speakers, and wonderful presentations by abroad participants.





2021 IEEE Annual International Conference on Biomedical, Image and Communications, ICBIC, Chennai, 25-27th March 2021

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Our Sincere Thanks to our Sponsors

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Thank You