

Joint International Symposium
Frontiers of Research on Speech and Music
&
Computer Music Modeling and Retrieval
(FRSM/CMMR- 2011)

For the first time, the international symposium “Frontiers of Research on Speech and Music” (FRSM) and the international symposium “Computer Music Modeling and Retrieval” (CMMR) joined hands mutually to hold the symposium in India in 2011. CMMR is organized every year to assemble researchers, educators, composers, performers and others with an interest in important aspects of computer music (including modeling, retrieval, analysis and synthesis) in different countries in Europe since 2003. This year, the 21st. annual international symposium (FRSM) was jointly organized by ITC Sangeet Research Academy (Kolkata), Utkal University (Bhubaneswar), All India Institute of Speech and Hearing (Mysore), Sir C V Raman Centre for Physics & Music (Jadavpur University, Kolkata) and ABV-Indian Institute of Information Technology and Management (Gwalior) in collaboration with Department of Architecture, Design and Media Technology (Aalborg University, Denmark), The Laboratoire de Mécanique et d’Acoustique - CNRS (Marseille, France) & The Institut de Neurosciences Cognitive de la Méditerranée – CNRS (France).

The symposium was held during 09-12 March, 2011 and the venue was Utkal University, Orissa, for the second time. This year the theme of the symposium was “*Singing Synthesis*”.

Objective of the effort is to encourage researchers in the field of physics, mathematics, artificial intelligence, psychology, neuro-sciences, musicology, linguistics etc to provide new ideas and directions in the objective research in speech and music.

The topics included Speech Analysis, Synthesis & Perception, Coding /Decoding & Enhancement, Acoustic Phonetics, Spoken Language Processing, Phonetic/Phonological Systems for Indian Languages, Speech Prosody & Labeling, Speech Processing Models & Systems, Music Modeling, Acoustics, Recognition, Analysis, Synthesis, Retrieval, Structure analysis, Transcription, Production & Composition tools & Psychology, Artificial intelligence, Sound source separation, Semantic music technologies, Music & sound data mining, Comparison, Classification & modelling of sound and music, Structuring of audio data, New methods for music representation and visualization, Digital music libraries, Virtual reality, Augmented reality and human-computer interaction, Auditory perception and cognition, Creativity, Emotion, Music therapy and Signal Processing & applications

The inaugural programme was held at the M. K. C. G. Auditorium of Utkal University. The welcome addresses were delivered by Prof. S. R. Savithri (HOD, Dept. of Speech-Language Sciences, All India Institute of Speech and Hearing, Mysore), Mr. Ravi Mathur (Executive Director, ITCsRA, Kolkata) and Prof. Bhaskar Gupta (Electronics and Tele Communication Engineering Department, Jadavpur University, Kolkata).

The symposium was inaugurated by Prof. Sanghamitra Mohanty, Convenor, FRSM/CMMR-2011 and HOD, Department of Computer Science and Application, Utkal University. Prof. Binayak Rath, VC, Utkal University, delivered the chief guest’s address. Pandit Hari Prasad Chaurasia, Eminent Musician, delivered address as Guest of Honour of the symposium. The inaugural programme was chaired by Prof. A K Datta, Chairman, FRSM/CMMR-2011. The objective of the symposium was narrated by him while delivering chairperson’s address. Prof. Kristofer Jensen, Aalborg University Esbjerg, Denmark, delivered welcome address on behalf of CMMR and detailed about CMMR. Keynote address was delivered by Prof. Hiroya Fujisaki, University of Tokyo, Japan.

In the technical sessions, 44 contributory papers and one invited talk were presented. Apart from the scientists and musicologists from different Indian universities and institutes, the symposium was also attended by Prof. Hiroya Fujisaki, Tokyo University, Japan, Prof. Kristofer Jensen, Aalborg University Esbjerg, Denmark, Prof. Richard Kronland-Martinat, LMA-CNRS, France, Prof. Mitsuko Aramaki, INCS-CNRS, France, Dr. Yago de Quay, Faculdade de Engenharia, Portugal, Mr. Ryan Stables, Birmingham City University, U. K., Mr. Wu Jun, Tokyo University, Japan, Mr. Kristian Nymoen, University of Oslo, Norway and Mr. Matthias Braeunig, University Medical Center Freiburg, Germany.

In the valedictory session, Prof. Sanghamitra Mohanty did the summing-up for the proceedings of the symposium. She thanked the participants for stimulating and lively interactions.