

## Dr. Suvarnalata Rao

Programming Head and Research Scientist, NCPA, Mumbai

Dr. Suvarnalata Rao is currently the programming head and a research scientist at the National Center for the Performing Arts, Mumbai. She works in the area of computational musicology and organology. Her main area of interest is the analysis of North Indian vocal music with an objective to study certain aspects of raag like intonation and melodic movement. In an earlier work she had made an attempt to provide an acoustical perspective to the esthetical concept relating to raaga and rasa. She has also worked in the area of organology involving issues relating to the making of Indian instruments. She is actively involved in several international collaborations involving music and musical instruments' technology.

Dr. Rao delivered three lectures **on 7th and 8th December 2010** on the confluence of Indian Music and Science.

- Fundamentals of Music and Musicology in India (7<sup>th</sup> December)
- Musical Instruments (8<sup>th</sup> December)
- Music and Technology (8<sup>th</sup> December)

She covered broad aspects of the subject with particular emphasis on Indian musicology and organology and on problems that may be of interest to students of material science, physics and mechanical engineering. She also spoke at length about her current work on developing an automated transcription system for Indian music.