International Workshop on
Computer Assisted Music and Dramatics:
Possibilities and Challenges
(CAMAD:PAC '19)

25, 26, 27 February, 2019

At
Department of Computer Science (UDCS)
University of Mumbai (UoM)
Vidyanagari, Santacruz (E)
Mumbai - 400 098
http://udcs.mu.ac.in

Patrons
Professor Suhas Pednekar, Hon Vice-Chancellor
Professor Ravindra Kulkarni, Hon Pro Vice-Chancellor
Dr Ajay Deshmukh, Registrar
Dr Vinod Patil, Director, BOEE
Mr Sanjay Shah, Finance and Accounts Officer
Professor Suresh Ukrande, Dean, Sci and Tech
Professor Ravindra Deshmukh, Associate Dean

Convenors
Dr Ambuja Salgaonkar, Head, UDCS
ambujas@udcs.mu.ac.in; 8275181750 (whatsapp)
Mr Omkar Barve, Assistant Professor, UDCS
udcs.events@gmail.com; 9404269380

Registraion link

Preamble
UDCS, perhaps the oldest Department of Computer Science in India, is in the 5th decade of its existence. It has launched a specialization in data science and electives in computer assisted music learning. Classes take place on weekends, in the flipped classroom mode.

This workshop is for interested persons from both music and computing to gather, exchange research ideas and interact further. We hope to have contributions on aspects of music and its science, engineering, re-engineering and reverse engineering.

Significance
CAMAD is an emerging field of interdisciplinary research, with applications in domains ranging from the entertainment industry to the medical sciences. Our emphasis is on exploring the computational aspects of Indian classical music and dramatics (ICM). The fine arts speak their own language. We will be exploring possibilities of employing speech and NLP research for music and dramatics. This workshop is an international forum for researchers to present their work related to technical, theoretical, experimental and experiential observations.

Objectives

To identify research problems, map them to research groups, groom young researchers to come up with research results in the near term, compile the presentations and publish a monograph with ISSN.

If you are interested in music, dramatics, language, linguistics, computer science and technology, this event is for you.

Highlights
This workshop is dedicated to our Amrut-mahotsavi Professor Hari Sahasrabuddhe of Pune, to honour his pioneering contributions in computer-assisted music analysis.

Dr David Courtney of Houston, disciple of Ustad Sheikh Dawood Khan of Hyderabad, is a Tabla teacher and accomplished researcher since the 1970s in the computerization of ICM. He will demonstrate signal processing ideas and guide the participants.

Models described in authentic ancient Indian texts will be discussed.

Resources
Professor Preeti Rao of IITB and Professor Suvarnalata Rao of NCPA are known for signal processing of ICM. Dr Sangeeta Chakrabarty of Goa has a in automatic articulation of Bharatnatyam. Dr Siby Abraham has guided a PhD at UDCS on the automation of Taal. Dr Anjali Nigwekar of Shivaji University has developed Haiku-Bandish. Professor Makaranad Velankar and Dr Smita Bedekar of SPPU have contributions in relation mining between lyrics and music. Mr Sandeep Bagchee of Pune, author of "Naad and Shruti," Professor Jayant Kirtane and Professor C R Rao of Hyderabad, and Professor Ramprasad Joshi of Goa have analyzed aspects of ICM. Vidushi Prem Vasant-ji, Vidushi Rajashree Shirke, Dr Ganesh Chandanshive and Dr Mangesh Bansod, have rich experience in pedagogy of music, dance, folk arts and theatre.

This workshop is a golden opportunity to listen and interact with the personalities of repute.

Call for Theme presentations / papers

Topics include (but are not limited to) the following:

- Acoustics and engineering of music
- Machine learning for compositions
- Audio signal processing and musicology
- Mining for musical content
- Automatic scripting and transcripting
- Augmented musical instruments
- Cognitive science for sound and music
- Digital libraries for music and dramatics
- Sound and music in visual media
- Music, dramatics and education models
- Fine arts and NLP
- Computer assisted set design
- Simulation of motion and gestures

Please submit a soft copy of your theme presentation / paper latest by February 18, 2019, by an email to: udcs.events@gmail.com

Registration Fees:
INR 1500 per participant; 20% discount to students on producing a bona fide certificate.

Online participation
A facility has been provided to attend the workshop in online interactive mode at INR 500 per connection; Institutions are welcome to avail the logins for a live broadcast of the event and participate in groups of size up to 25 at 5000 INR per group.

Opportunity to earn extra credits
A certificate of 2 credits earned from UoM could be availed for qualified participants who, at the end of the workshop, appear for an examination. The exam fees are Rs 1000/-, separate from registration fees.

Registration Form

Name: _____

Designation: _____

Affiliation: _____

Address: _____

_____

Mobile No: _____ Email:_____

I wish to attend the workshop in person / online.
My theme paper / presentation title,

_____

_____ has been attached for your consideration.

I wish / do not wish to take the end-workshop exam and accumulate transferable credits from UoM.

Please find INR _____ towards my registration fees paid in cash / by DD No_____ Date: _____ drawn in favour of "Finance and Accounts Officer, University of Mumbai, payable at Mumbai to Head, UDCS" from _____ Bank.

Signature of Applicant   Signature
Date: Head/Principal

Registration protocol
A duly filled form along with the fees could be submitted to the office of UDCS on working days during office hours or you may courier the DD to the Departmental Office and submit your form on-line at: https://goo.gl/forms/qgVBszPudpUvDhqe2

Please write to the Conveners separately if you need accommodation, available on payment basis.

Local Organizing Committee

- Mr Vishwas Kadam
- Mr Subodh Deolekar
- Ms Sonali Gore
- Mr Shivam Dhargalkar
- Mr Sanjay Pardhi
- Ms Sangeeta Menon
- Mr Sachin Sushil
- Ms P M Sindhu
- Dr Niketa Gandhi
- Dr Manisha Divate
- Ms Indrani Sen
- Mr Dinesh Dongardive
- Dr Atindra Sarvadikar
- Ms Annie Rajan

See you in Mumbai, the Capital of Maharashtra, business capital of India and, Bollywood. Mumbai is home to many UNESCO world heritage sites, including Rajabai Tower of UoM. Along with important financial institutions like Reserve Bank of India, the city houses India's premier research institutes like BARC, TIFR and C-DAC. Long seashores, ancient caves, museums, historical architectures, shopping complexes, rushed locals and the metro culture are a few among the many tourists' attractions. Mumbai is served by the Chhatrapati Shivaji International and Domestic airports, Chhatrapati Shivaji Terminus and Churchgate, the headquarters of Indian Central and Western Railways and National Highways 3, 4, 8, 17 and 222.

February is a good time to visit Mumbai;
the temperature ranges 12 to 20 degrees Celsius.