



International Symposium on Astral Sciences in Asia

January 24 –26, 2019, IIT Bombay
Venue: Conference Hall, Jalvihar Guest House

Day 1: January 24, 2019

09:00 – 09:30	Registration
09:30 – 09:35	Invocation
09:35 – 09:50	Welcome address and opening remarks
09:50 – 10:30	Keynote address by M. D. Srinivas – The seminal contribution of K. S. Shukla to the study of Indian astronomy
10:30 – 11:00	TEA BREAK

Session 1: 11.00 -- 13.00

11:00 – 11:30	Bill Mak – <i>Paitāmahasiddhānta</i> and its sources
11:30 – 12:00	Venketeswara Pai – Continued fraction in <i>Dṛkkaraṇa</i>
12:00 – 12:30	Mayank Vahia – <i>Nakṣatras</i> : Date of design and possible junction stars
12:30 – 13:00	B. S. Shylaja – Concealed corrective operators in <i>Ahargaṇa</i> calculations
13:00 – 14:00	LUNCH BREAK

Session 2: 14.00 -- 18.00

14:00 – 14:30	V. Ramakalyani – <i>Kuṭṭākāra</i> in planetary computations
14:30 – 15:00	Srikumar M. Menon – A unique sun-facing rock-cut structure at Badami
15:00 – 15:30	Mohammad Bagheri – Biruni's didactic work on astrology
15:30 – 16:00	S. M. R. Ansari – Category of Zijes compiled in India based on Sanskrit astronomical works
16:00 – 16:30	TEA BREAK
16:30 – 17:00	Hoda Ataollahi – The world year in Indian astronomy and its traces in Islamic works
17:00 – 18:00	A documentary film on Al-biruni (on the occasion of millennium year)



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Day 2 : January 25, 2019

Session 3: 09.00 -- 13.00

09:00 – 09:30	Sripada A. Bhat – The <i>Kamādogdhri</i> commentary on <i>Sūryasiddhānta</i> of Śri Tammayajvan
09:30 – 10:00	Sho Hirose – The equation of time in Sanskrit sources and its development in Kerala
10:00 – 10:30	Tanikawa Kiyotaka – Historical records of eclipses and variation of Delta T: The seventh century
10:30 – 11:00	Anuj Misra – Testing for table dependencies: What tools can we use?
11:00 – 11:30	TEA BREAK
11:30 – 12:00	S. Balachandra Rao – <i>Saurapakṣa</i> tables in South Asia
12:00 – 12:30	Kausiki Chebiyyam – The 165-year yuga of Sphujidhvaja's <i>Yavanajātaka</i> and the era of the Śakas
12:30 – 13:00	K. Ramasubramanian – Snippets from the inspiring lives and contributions of Datta, Amma and Shukla
13:00 – 14:00	LUNCH BREAK

Session 4: 14.00 -- 18.00

14:00 – 14:30	M. S. Sriram – The second correction to the moon in Indian astronomy texts and K. S. Shukla's seminal 1945 paper on it
14:30 – 15:00	Michel Danino – “Accident”-prone ancient Indian science
15:00 – 15:30	Shriram Chauthaiwale – The contribution of K. S. Shukla in the study of Nārāyaṇa Paṇḍita's <i>Bījagaṇitāvataṃsa</i>
15:30 – 16:00	Agathe Keller – Multiplying: How, and with what?
16:00 – 16:30	TEA BREAK
16:30 – 17:00	K. Mahesh – Series of numbers with fractional number of terms
17:00 – 17:30	Aditya Kolachana – The <i>Āryabhaṭasiddhānta</i> : Prof. K. S. Shukla's reconstruction and study of <i>Āryabhaṭa</i> 's lost work
18:00 – 20:30	Book Release Function and Cultural Program (Details on Page 4) Venue: PC Saxena Auditorium



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Day 3 : January 26, 2019

Session 5: 09.00 -- 13.00

09:00 – 09:30	Sundareswaran N. K. – Citations from <i>Mīmāṃsā</i> works made by Nīlakaṇṭha in his <i>Āryabhaṭīyabhāṣya</i>
09:30 – 10:00	Michio Yano – Derivation of sines in the <i>Paitāmahasiddhānta</i>
10:00 – 10:30	Uma S. K. – Special features of <i>Makarandasāriṇī</i> with reference to the true positions of star planets and angular diameters
10:30 – 11:00	Vanaja V. – Comprehensive study of <i>Grahaṇamālā</i> and <i>Grahaṇadarpaṇa</i>
11:00 – 11:30	TEA BREAK
11:30 – 12:00	Padmaja Venugopal – A critical analysis of <i>Gaṇakānanda</i> - An Indian astronomical table
12:00 – 12:30	Rupa K. – A study of <i>Pratibhāgī</i> and <i>Tyāgārti</i> astronomical tables
12:30 – 13:00	Shailaja M. – Elevation of the moon's cusps as in <i>siddhāntic</i> texts
13:00 – 14:00	LUNCH BREAK

Session 6: 14.00 -- 16.30

14:00 – 14:30	Matthieu Husson – Manuscript variability and astronomical computation: syzygies in the <i>Tabule magne of John of Lignères</i> (Paris, circa 1325)
14:30 – 16:30	Matthieu Husson & Anuj Misra – Presentation of DISHAS a database for astronomical tables developed in the context of CHAMA
16:30 – 17:00	TEA BREAK

Valedictory Function: 16.30 -- 17.00

17:00 – 17:15	Valedictory Address – S. G. Dani
17:15 – 17:25	Feedback from participants
17:25 – 17:30	Vote of thanks – K. Ramasubramanian



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Book Release Function & Cultural Program

January 25, 2019, Time : 18: 00 – 20.30

Venue: PC Saxena Auditorium

Book Release Program: 18:00 – 19:10

18:00 – 18:05	Invocation
18:05 – 18:15	Welcome and Introduction to <i>Bhāskara-prabhā</i>
18:15 – 18:20	Release of <i>Bhāskara-prabhā</i> – Dr. Anil Kakodkar (Receiving the first copy – Dr. Vijay Bedekar)
18:20 – 18:50	Recollecting the life and works of Prof. K. S. Shukla 1. Prof. M. S. Sriram 2. Dr. Krishnanand Sinha 3. Sri. Ramesh Shukla 4. Prof. K. Ramasubramanian
18:50 – 18:55	Release of Prof. Shukla's volume – Dr. Anil Kakodkar
18:55 – 19:05	Address by the Chief Guest – Dr. Anil Kakodkar
19:05 – 19:10	Vote of thanks
19:10 – 19:25	HIGH TEA

Cultural Program: 19.30 -- 20.30

19:30 – 20:30 The 25th January happens to be the day of “*Tyāgarāja -arāadhanā*” for the year 2019. On this day, scores of musicians assemble in Thiruvaiyaru (a village in Tamilnadu), to pay their homage to the saintly, legendary musician Tyāgarāja, at his *samādhi* and sing the *Pañca-ratna-kriti* in a chorus. Keeping this in mind, we decided to have a one hour vocal Carnatic music concert following the book release function, during which some of the well-known compositions of Saint Tyāgarāja will be musically rendered with a succinct summary of what each song conveys in English.

Artists:

Vocal : *Vidushi Hemamalini Arunkumar*
Violin : *Vidushi Vanamala Dikshit*
Mridangam : *Vidvan Shankaranarayanan Ramachandran*