

**BHASKARA 900**  
**CONFERENCE PROGRAMME**

Thursday 18.9.2014

18.00-19.00 **Opening Ceremony**

Venue: Thorale Bajirao Peshave Sabhagruh

V. V. Bedekar: Welcome Address

S. R. Sarma: About the Conference

Anil Kakodkar: Special Address

S. C. Agarkar: Vote of Thanks

Friday 19.9.2014

9:30-10:30 **Inaugural Session**

Venue: Thorale Bajirao Peshave Sabhagruh

V. V. Bedekar: Welcome Address

S. R. Sarma: Introductory Remarks

S. G. Dani: Inaugural Address

S. C. Agarkar: Vote of Thanks

10:30-11:00 Coffee Break

**Plenary Session**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: V. V. Bedekar

11:00 Ramasubramanian, “Līlā in the *Līlāvati*”

12:00 Sita Sundar Ram, “*Bījaganita* of Bhāskara”

13:00-14:00 Lunch

	<b>Parallel Session IA: Līlāvati</b> Venue: Thorale Bajirao Peshave Sabhagruh <b>Chair: K. Ramasubramanian</b>	<b>Parallel Session IB: Bījaganita</b> Venue: Pāṇini Sabhagruh <b>Chair: Sita Sundar Ram</b>
14:00	K. Ramakalyani, “Gaṇeśa Daivajña’s Upapattis on <i>Līlāvati</i> ”	K. Vidyuta, “ <i>The Sūryaparakāśa</i> of Sūryadāsa-a Review”
14:30	Anil Narayanan, N., “Parameśvara’s Unpublished Commentary on <i>Līlāvati</i> : Perceptions and Problems”	Veena Shinde-Deore & Manisha Acharya, “Bhāskarācārya and Vargaparakṛti: the equations of the type $ax^2 + b = cy^2$ ”
15:00	Shrikrishna G. Dani, “Mensuration of Quadrilaterals in <i>Līlāvati</i> ”	Shriram M. Chauthaiwale, Yawatmal, “The Critical Study of Algorithms in Karaṇīṣaḍvidha”

15:30-16:00 Coffee Break

	<b>Parallel Session IIA: Līlāvati</b> Venue: Thorale Bajirao Peshave Sabhagruh <b>Chair: K. Ramasubramanian</b>	<b>Parallel Session IIB: Bījaganita &amp; Līlāvati</b> Venue: Pāṇini Sabhagruh <b>Chair: Sita Sundar Ram</b>
16:00	Takanori Kusuba, “Aṅkapāśa in the <i>Līlāvati</i> ”	Manisha M. Acharya, “Bhāskarācārya’s Kuṭṭaka Method”
16:30	S. R. Sarma, “The Legend of <i>Līlāvati</i> ”	N.K. Sundareshwaran & P.M. Vrinda, “Malayalam Commentaries on the <i>Līlāvati</i> - A Survey of Manuscripts in Kerala”
17:00	S. M. R. Ansari, “Persian Translations of Bhāskara’s Sanskrit Texts during the 16th-17th Centuries and their Impact in the following Centuries”	P. Rajasekhar & Lakshmi, V., “The <i>Līlāvati</i> and Kerala School of Mathematics”

18.00-19.00 Cultural Programme by VPM’s Joshi-Bedekar College, Thane

**Saturday 20.9.2014**

**Plenary Session**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: V. V. Bedekar

09:00 A. P. Jamkhedkar, “Learning and Patronage in 12th -13th Century A.D.: Bhāskarācārya and the Śaṅḍilya Family, A Case Study”

10:30-11:00 Coffee Break

**Plenary Session**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: V. V. Bedekar

11:00 Pierre-Sylvain Filliozat, “The poetical face of the mathematical and astronomical works of Bhāskarācārya”

12:00 M. S. Sriram, “*Grahagaṇitādhyāya* of Bhāskarācārya’s *Siddhāntaśiromaṇi*”

13:00-14:00 Lunch

**Parallel Session IIIA: Bhāskarā as a Poet**  
Venue: Thorale Bajirao Peshave Sabhagruh  
Chair: Pierre-Sylvain Filliozat

14:00 Poonam Ghai, “Līlāvati men Kāvya-saundarya”

14:30 Geetakumari, K. K., “Contribution of *Līlāvati* to Prosody”

15:00 Medha Srikanth Limaye, “Use of *Bhūta-saṃkhyās* (Object Numerals) in *Līlāvati* of the Bhāskarācārya”

**Parallel Session IIIB: Karaṇakutūhala**

Venue: Pāṇini Sabhagruh

Chair: S. Balachandra Rao

Vanaja V., “Transits and Occultations in Bhāskara’s *Karaṇakutūhala*”

Mohini Kulkarni & Arpita Deodikar, “*The Karaṇakutūhala* (Solar and Lunar Eclipse)”

Shailaja, M., “*Vyatīpāta and Vaidhṛti* (Parallel Aspects) as discussed in Bhāskara’s works”

15:30-16:00 Coffee Break

**Parallel Session IVA: Siddhāntaśiromaṇi**  
Venue: Thorale Bajirao Peshave Sabhagruh  
Chair: M. S. Sriram

16:00 Michio Yano, “Bhāskara II and *Kṣayamāsa*”

16.30 Padmaja Venugopal, “Solar and lunar Eclipses in Indian Astronomy”

17.00 Rupa, K., Heliacal “Rising of Stars and Planets in Bhāskara’s Works”

**Parallel Session IVB: Pedagogical Importance**

Venue: Pāṇini Sabhagruh

Chair: Kim Plofker

Sudhakar C. Agarkar, “Pedagogical Analysis of *Līlāvati*”

Anant W. Vyavahare & Sanjay M. Deshpande, “*Jyotpatti*”

Hari Prasad Koirala, “Bhāskarācārya’s *Līlāvati* in the Age of Common Core State Standards”

18.00-19.00 Leelavati Ganitham by Rishi Valley School, Madanapalli

**Sunday 21.9.2014**

**Plenary Session**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: V. V. Bedekar

9:30 S. Balachandra Rao, "Importance of *Karaṇakūtūhala* as an algorithmic handbook"

10:30-11:00 Coffee Break

**Plenary Session**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: V. V. Bedekar

11:00 M. D. Srinivas, "*Vāsanābhāsyas* of Bhāskarācārya: Explaining and Justifying the Results and Processes in Mathematics and Astronomy"

12:00 S. R. Sarma, "Astronomical Instruments in Bhāskarācārya's *Siddhāntaśiromaṇi*"

13:00-14:00 Lunch

14:00-14:30 **Parallel Session VA : Siddhāntaśiromaṇi**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: M. D. Srinivas

14.00 Somenath Chatterjee, "*Dik, deśa and kāla* in Bhāskarācārya's siddhāntic work- *Siddhāntaśiromaṇi* "

14.30 Manik Tembe, "*The Siddhāntaśiromaṇi* : A Continual Guide for Modern Mathematics Education"

**Parallel Session VB: Pedagogical Importance**

Venue: Pāṇini Sabhagruh

Chair: S. C. Agarkar

Ananya Mitra, "*Līlāvati* : A Pedagogical Innovation of *Bhāskarācārya*"

Minal Wankhede Barsagade, "Contribution of *Bhāskarācārya* in Modern Mathematical concepts: An overview"

15:00-15:30 Coffee Break

**Parallel Session VIA: Siddhāntaśiromaṇi**

Venue: Thorale Bajirao Peshave Sabhagruh

Chair: Michio Yano

15.30 Setsuro Ikeyama, "An Application of the Addition Formula for Sine in Indian Astronomy"

16.00 Kim Plofker, "Siddhānta-Karaṇa Conversion: some algorithms in the *Gaṇitādhyāya* of the *Siddhāntaśiromaṇi* and in the *Karaṇakūtūhala*"

16.30 Clemency Montelle, "Making tables from Text: From the *Karaṇakūtūhala* to the *Brahmatulyasāraṇī*"

17.00-18.00 **Concluding Ceremony**

Venue: Thorale Bajirao Peshave Sabhagruh

V. V. Bedekar: Welcome Address

S. R. Sarma: Concluding Remarks

Participants: Opinions

Deepak Phatak: Valedictory Address

S. C. Agarkar: Vote of Thanks