

## Day 1: October 23rd, 2019

Registration: 8:00 - 9:00 AM

Welcome Address: 9:00 - 9:30 AM

Keynote 1: 9:30 - 10:30 AM

Keynote Speaker: Prof. Rajeev Sangal

Title: *Sanskrit Grammatical Tradition: How it Can Help Build Modern Language Technology*

10:30 - 11:00 Tea Break

11:00 - 12:30 Research Track 1 (3 papers)

Paper 1. *Sanskrit Sentence Generator*, Amba Kulkarni and Madhusoodana Pai

Paper 2. *Introduction to Sanskrit Shabdmitra: An Educational Application of Sanskrit Wordnet*, Nilesh Joshi, Sayali Khare, Hanumant Redkar, Malhar Kulkarni and Pushpak Bhattacharyya

Paper 3. *Framework for Question-Answering in Samskrta through Automated Construction of Knowledge Graphs*, Hrishikesh Terdalkar and Arnab Bhattacharya

12:30 - 14:00 Lunch Break

14:00 - 16:00 Research Track 2 (4 papers)

Paper 4. *LDA Topic Modeling for pramāṇa Texts: A Case Study in Sanskrit NLP Corpus Building*, Tyler Neill

Paper 5. *On Sanskrit and Information Retrieval*, Michaël Meyer

Paper 6. *Dependency Parser for Sanskrit Verses*, Amba Kulkarni, Sanal Vikram and Sriram K

Paper 7. *Utilizing Word Embeddings based Features for Phylogenetic Tree Generation of Sanskrit Texts*, Diptesh Kanojia, Abhijeet Dubey, Malhar Kulkarni, Pushpak Bhattacharyya and Gholemreza Haffari

16:00 - 16:30 Tea Break

16:30 - 18:30 Demo Session 1

Presenters:

Gerard Huet: *Hoisting the colors of Sanskrit*

Amba Kulkarni: *Parser and Generator for Sanskrit*

Peter Scharf: *Sanskrit Metrical Analysis*

Varalakshmi K: *Software Tools for Blended Sanskrit Learning*

Arjuna S R and Srinivasa Kumar N Acharya: *MAHE Mahabharata - e-concordance of Mahabharata critical editions*

Martin Gluckman: *Presenting some of the recently published works of SRI in the realm of digital Sanskrit and the road ahead*

7:30 PM onwards: Conference Dinner

## **Day 2: October 24th, 2019**

Keynote 2: 9:30 - 10:30 AM

Keynote Speaker: Prof. Korada Subrahmanyam

*Title: Semantics and Pragmatics as Tools in Language Technology*

Tea Break: 10:30 - 11:00 AM

Research Track 3: 11:00 - 12:30 (3 papers)

Paper 8. *An Introduction to the Textual History Tool*, Diptesh Kanojia, Malhar Kulkarni, Pushpak Bhattacharyya and Eivind Kahrs

Paper 9. *Revisiting the Role of Feature Engineering for Compound Type Identification in Sanskrit*, Jivnesh Sandhan, Amrith Krishna, Pawan Goyal and Laxmidhar Behera

Paper 10. *A Machine Learning Approach for Identifying Compound Words from a Sanskrit Text*, Premjith B, Chandni Chandran V, Shriganesh Bhat and Soman Kp

12:30 - 14:00 Lunch Break

Research Track 3: 14:00 - 15:30 (3 papers)

Paper 11. *Vaijayantīkośa Knowledge-Net*, Aruna Vayuvegula, Satish Kanugovi, Sivaja S Nair and Shivani V

Paper 12. *A Platform for Community-sourced Indic Knowledge Processing at Scale*, Sai Susarla and Damodar Reddy Challa

Paper 13. *Pāli Sandhi -- A computational approach*, Swati Basapur, Shivani V and Sivaja Nair

15:30 - 16:00 Tea Break

16:00 - 18:00 Panel Discussion

18:00 - 18:30 ISCLS Business Meeting

### **Day 3: October 25th, 2019**

#### **Demo Session 2: 9:00 - 12:00**

Hrishikesh Terdalkar, Arnab Bhattacharya: *KaTaPaYadi System*

Shivani: *Sanskrit Computational Tools developed by KSU Computing Panini Group (CPG)*

Madhava Gopinath, Rakesh Muthyala: *Insights from Bhagavata Purana and associated Commentaries using Modern tools and technologies*

Amrita Anand: *A voice ready reckoner mobile app for Spoken English to Sanskrit Translation*

Sugyan Kumar Mahanty: *The scope and domain of digital cataloguing of Manuscripts*

Amrith Krishna: *Sanskrit Annotation App*

Sayanto Mahato: *Sanskrit Wikisource Work Interface*

Marcis Gasuns: *History of Cologne Digital Lexicons*

Closing Remarks: 12:00 - 12:30

Lunch Break: 12:30 - 14:00