Computational Sanskrit and Digital Humanities Section

Special Call for Demonstrations

Dear colleagues,

As part of the Computational Sanskrit and Digital Humanities section at World Sanskrit Conference (WSC) - 2023, we are inviting for a short write-up (200-300 words) for the demo session on several facets of Computational Sanskrit and Digital Humanities related to Sanskrit (Classical and Vedic), Prakrit, Pali, Buddhist Hybrid Sanskrit etc.

Notable dates –

Submission Deadline: **25 October 2022**

Notification of Acceptance: **15 November 2022**

Demo session (*online* only): **09-13 January 2023**

We request you to submit a short write-up on your demo through the email to **csdh_wsc2023@manipal.edu** with a subject line – "CSDH_WSC – Call for Special Demo". You must upload the write-up in Portable Document Format (PDF) or Microsoft Word (Docx). The write-up must contain brief description of your system along with the link (if available). The submitted write-ups will be reviewed by the committee.

The areas of interest include, but not limited to:

Computational linguistics:
- Digital lexicons, thesauri and Wordnets
- Computational phonology and morphology
- Syntactic analysis
- Prose order normalisation
- Parsing
- Structural semantics
- Machine Translation
- Automatic analysis of Sanskrit corpus
- Machine Learning approaches to computational processing
- Navya-Nyāya technical language processing and semantic analysis
- Information extraction

Shāstric Sanskrit texts and computation:
- Computer modelling and simulation of Paninian and other traditional grammars
- Theories of śābdabodha and Sanskrit computational processing

- Sanskrit digital libraries management: Tools for acquisition and maintenance of Sanskrit digital corpus
- Library crawlers or search tools in Sanskrit corpus
- Incorporation of grammatical information in Sanskrit corpus
- Automated tools for evaluation of Sanskrit poetry, e.g., meter recognition/verification, alaṃkāra identification, alaṃkāra analysis
- Software tools for phylogenic studies, intertextuality management, the establishment of critical editions, and other philological applications
- Stylometry and authorship attribution
- OCR recognition of ancient Indian scripts
- Digital cataloguing of manuscripts
- Digital font creation, rendering of phonetic features, etc.

Misc. computer applications relevant to Sanskrit:
- Software tools for teaching Sanskrit
- Sanskrit speech recognition and synthesis
- Social media applications for Sanskrit dissemination

Please note that this call is only for the demo sessions.

More information about the Computational Sanskrit and Digital Humanities section is available here. For all the general information about the WSC-2023 event, you can visit the WSC website here.

Organisers (demo session)
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