



ICTS Colloquium

- Title : Language as a Statistical Mechanical System
- Speaker : Monojit Choudhury, Microsoft Research Lab India, Bengaluru
- Date : Monday, September 26, 2016
- Time : 3:00 pm
- Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore
- Abstract : Human language is a complex adaptive system that emerges through the interactions between speakers. Language has a hierarchical organizational structure that allows its speakers to convey any arbitrary information. At the same time, linguistic structures are dynamic entities that evolve at multiple time scales – at the level of an individual, community and species. It is no wonder therefore that physicists and mathematicians have tried to model and study language in the frameworks of statistical mechanics and complex system theory. In this talk, I will give a brief introduction to this fascinating multidisciplinary approach towards understanding language phenomena, and illustrate the techniques and some interesting results through my own research on organization of sound systems and evolution of web search queries.