

## Biographical Sketch.



### Sumit Sen.

Sumit Sen is Research Assistant at the Institute of Geoinformatics, University of Muenster. He is also perusing his PhD studies at the same institute. He obtained his Masters in Geographic Information at City University, London and his Bachelor of Engineering from VRCE, Nagpur, India. He also has work experience of over 7 years in the software Industry with Tata Infotech Limited in India. During his tenure he has worked on projects related to Geoinformatics, simulation and optimization. He has also been involved with NSDI India projects.

His main research interests are in the area of semantics interoperability, process simulation and optimization. His recent work has been focused on spatial behavior of objects in information systems and is mainly interested in specification of behavioral components in Ontologies.

### Selected Publications

1. Sen, S (2004) *Semantic Interoperability: Experiences of extending Semantic Reference Systems to DAML-S*, AAG Annual conference, PA.
2. Sen, S (2003) *Ontologies and SDI: Semantic interoperability issues* NSDI -III workshop Agra, India
3. Sen, S. & Sengupta S,(2002) *Open Standards Location Based Services* MapIndia 2002, New Delhi, India
4. Scheepers L, Sen S, Sengupta S, (2003) *Holistic Optimization: An Approach to Planning and Decision Support in Large Integrated Mining- Metallurgical Complexes* International seminar on Mineral Processing Technology, Bangalore
5. Sen, S. & Sengupta S,(2001) *COMPUTATIONS IN GIS NETWORKS :The Electrical Network Management Perspective*, CARG 2001 Mumbai, India (2001)
6. Sen, S. & Sengupta, S. (2001) *A Model for Representation of Natural Language Geo-Spatial data*, CARG 2001 Mumbai, India
7. Sen, S. (2001) *Interoperability Issues for Natural Language interfaces to GIS*, Proceedings of the Association of GIS Laboratories in Europe 2001 conference Brno.