

Curriculum Vitae

Dr. Shyamanta M Hazarika

B.E (AEC Guwahati), M.Tech (IIT Kanpur), PhD (Univ. of Leeds, England)

Professor

School of Engineering

Tezpur University, Tezpur – 784028, INDIA



Areas of Interest

Knowledge Representation and Reasoning

Cognitive Systems and Neuroinformatics

Rehabilitation Robotics

Work Profile

Involved in **Research and Teaching at Tezpur University** since 1997; **Professor since Aug 2010**.
'Vertretungsprofessor' of **Cognitive Systems and Neuroinformatics** at **University of Bremen**,
Germany for the winter of 2009-2010.

Publications

More than **35 International Publications**

Citations of Select Publications

1. **Qualitative Spatial Representation & Reasoning: An Overview** 527
Fundamenta Informaticae, Vol. 46 No. 1-2, 2001
2. **Towards Architecture for Cognitive Vision using Qualitative Spatio-Temporal Representation and Abduction** 34
Spatial Cognition III, LNCS- , Springer, 2003
3. **Abducing Qualitative Spatio-temporal Histories from Partial Observations** 15
Proceedings of KR-02, Morgan Kaufman, 2002

On-going Sponsored Projects

Principal Investigator for the following **Department of Information Technology, Ministry of Communications and IT, Govt. of India** funded projects.

1. **Design and Development of Cost-Effective Bio-signals Controlled Prosthetic Hand**
2. **Design and Development of a Dynamic Firewall Solution** (CDAC – TU Joint Project)

Conferences and Workshops / Publication Services

1. **Co-chair** ECAI 2010 Workshop on Spatial and Temporal Dynamics **STeDy-2010** in Lisbon, Portugal with Dr. Mehul Bhatt, Universität Bremen and Prof. Hans Guesgen, Massey University, New Zealand.
2. **Program Committee Member** for AAI 2010, Atlanta, USA (Senior PC: Ernest Davis).
3. **Guest Co-Editor** for **Journal of Spatial Cognition and Computation** Special Issue on *Emerging Applications of Spatial and Temporal Reasoning*. Publication in January 2011
4. **Editing** Book on **Qualitative Spatio-Temporal Representation And Reasoning** For IGI Global Inc., USA; Publication scheduled for 2011.
5. **Referee** for **International Journals; National / International Conferences; Including Artificial Intelligence Journal** (Springer), **Spatial Cognition And Computation** (Taylor & Francis). Conferences Include KR, AAI, COSIT, ADCOM and NACOMM.

Honours /Fellowships

Member
European Science Foundation

Invited to join European Sc. Foundation COST Action
MOVE: Knowledge Discovery from Moving Object.