

Faculty Profile

Name: Dr. Utpal Biswas

Designation: Professor

Faculty: Engineering, Technology & Management

Department: Computer Science & Engineering

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Qualifications: B.E.(Comp. Sc. & Engg.), M.E.(Comp. Sc. & Engg.), Ph.D.(Comp. Sc. & Engg.)

Areas of Interest/Specialization: Optical Networks, Sensor Networks, Semantic Web, Cloud Computing.

Experience: 19 years +

Awards and Honours:

1. Awarded National Scholarship in Madhyamik and H. S.
2. Got EURINDIA scholarship as visiting faculty and visited University of Goettingen, Germany (June – August 2010).

International/National Collaboration/Consultancy:

National – Jadavpur University, Kolkata, National Institute of Tecnology, Durgapur.

International – University of Goettingen, Germany, Zayed University, UAE.

Best Peer Reviewed Publications/Books (Upto 5):

1. **U. Biswas**, U. Maulik, A. Mukhopadhyay and M. K. Naskar, “Multiobjective Evolutionary Approach to Cost-effective Traffic Grooming in Unidirectional SONET/WDM Rings”, *Photonic Network Communications* (2009) Vol. 18, pp. 105-115, Online: 18 September 2008.
2. **U. Biswas**, M. K. Naskar, A. Mukhopadhyay and U. Maulik, “A Heuristic Algorithm for Static Wavelength Assignment in WDM Optical Networks”, *Journal of IETE Technical Review*, Vol. 22, No. 3, pp. 199 – 204, May-June 2005.
3. **U. Biswas**, U. Maulik, A. Mukhopadhyay and M. K. Naskar, “Lightpath Protection using Genetic Algorithm through Topology Mapping in WDM Optical Networks”, *Journal of Optics, Springer*, Jan-March 2010, Vol. 39, No. 1, pp. 32-38, ISSN: 0972-8821 (Print version), ISSN: 0974-6900 (Electronic version).
4. Arup Sarkar, Ujjal Marjit and **Utpal Biswas**, “A Middleware Architecture for Secure Service Discovery Using Ontologies with Multiagent Approach”, *International Journal of Information Systems & Social Change*, IGI Global, Vol. 3, No. 1, pp. 47-55, January-March 2012, Print ISSN: 1941-868X, Online ISSN: 1941-8698.
5. Kumar Sharma, Ujjal Marjit, and **Utpal Biswas**, “Exposing MARC 21 Format for Bibliographic Data As Linked Data With Provenance”, *Journal of Library Metadata*, 13:212–229, 2013, Published with license by Taylor & Francis ISSN: 1938-6389 print / 1937-5034 online DOI: 10.1080/19386389.2013.826076, pp. 212-229.

Patents (If Any): None