



Name : SWAPAN BHATTACHARYA

Pointers for communication :

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Hobbies : To watch soccer, cricket and tennis.
To listen Rabindrasangeet, Nazrulgeeti and old Bengali & Hindi songs

Academic Background :

Rank 3rd in H.S. Exam, 1973 of W.B. Board from Hindu School, Kolkata
Rank 1st in B.Sc. Exam, 1976 of Univ of Calcutta from
Presidency College, Kolkata in Physics Honours
Rank 2nd in B.Tech, 1979 from Inst of Radio Physics & Electronics of
Univ of Calcutta
Rank 2nd in M.Tech, 1981 from Dept of Computer Sc & Engg of
Univ of Calcutta
Rank 2nd (in Operations Research Group) in M.B.A, 1987 from
Jadavpur University, Calcutta
PhD in Computer Sc & Engg in 1991 from Univ of Calcutta

Special achievements (selected list) :

Award of Sr. Research Associateship (1999-2001) from
National Research Council, USA
Young Scientist Award from UNESCO in 1989
Gold Medal from Univ of Calcutta, India in 1976

Areas of research interest :

Requirements Engineering, Functional Specifications, Software Testing,
Distributed Computing, Interconnection Networks.

Length of professional experience : 25 years

Professional experience – international assignments (selected list):

Collaborative research works on Requirements Engg & Functional Specs
With the School of Computing, Univ of New Castle, UK during 2004-05
Co-ordinator of PhD program in Software Engineering at Naval Postgraduate
School, Monterey, CA during 1999-2001
Founder Head, Dept of Computer Sc & Engg of Atilim Univ at
Ankara, Turkey during 1997-98
Collaborative research works on design of semi-structured large information
Systems in the Dept of Computer Sc of Michigan State University, USA
Visiting faculty member (subject : Software Engg) at Asian Institute of
Technology, Bangkok in 1994

Professional experience – national assignments (selected list)

Associate Professor in the Operations Management Group of Indian Institute of
Management, Joka, Kolkata in 1997.
Professor & Head, Dept of Computer Sc & Engg of National Inst of Technical
Teachers Training & Research, Kolkata during 1992-97.
Head of the Dept. of Computer Sc & Engg of Univ of Calcutta in 1992.
Software Engineer (Asstt Professor) in Indian Institute of Technology, Powai,
Mumbai, during 1986-87.
Systems Analyst in Computer Assisted Management (CAM) Centre of
Indian Inst of Management, Joka, Kolkata during 1985-86.
Systems Analyst in M.N. Dastur & Co (P) Ltd during 1982-84.

Titles of supervised PhD works completed during last 2 years (selected list) :

1. Modeling of Constraints in Distributed Object Oriented Environment.
2. Conceptual Level Design of Distributed Information Systems based on Functional Abstraction.
3. Analysis and Testing of Object-Oriented Systems.
4. Functional Specifications of Object Oriented Systems :
A Model Driven Approach.

Publication in International Journals during last 3 years (selected list) :

1. "Performance Analysis of Multistage Interconnection Networks with A New High-level Net Model", Journal of Systems Architecture (JSA), Elsevier Press, Vol. 52, No. 1, pp. 56-70, 2006.
2. "GDM : A New Graph based Data Model using Functional Abstraction", Journal of Computer Science & Technology (JCST), Chinese Academy of Sciences & Springer, Vol. 21, No. 3, pp. 430-438, May, 2006.
3. "Code Based Analysis for Object-Oriented Systems", Journal of Computer Science & Technology (JCST), Chinese Academy of Sciences & Springer, Vol. 21, No. 6, pp. 965-972, November, 2006.
4. "CORBA-Based Analysis of Multi Agent Behavior", Journal of Computer Science & Technology (JCST), Chinese Academy of Sciences & Springer, Vol. 20, No. 1, pp. 118-124, January, 2005.
5. "An Automated Environment for Generation of Rapid Prototypes", Foundations of Computing & Decision Sciences, Poland, Vol. 29, No. 4, pp. 287-314, 2004.