Prabhat Kumar Mahanti

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EDUCATION

◇ **Ph.D.**, Indian Institute of Technology, Bombay, India, 1976.

◇ **M.Sc.**, Indian Institute of Technology, Kharagpur, India, 1971.

◇ **B.Sc.**, Calcutta University, Calcutta, India, 1968.

EMPLOYMENT HISTORY

◇ **Professor**, Department of Computer Science and Applied Statistics, University of New Brunswick, Saint John, January 2008 - present.

◇ **Professor and Chair**, Department of Computer Science and Applied Statistics, University of New Brunswick, Saint John, January 2006 - December 2008.

◇ **Professor**, Department of Computer Science and Applied Statistics, University of New Brunswick, Saint John, December 2001 - December 2005.

◇ **Professor and Head**, Department of Computer Science and Engineering, and **Dean** of Extension Centres, Birla Institute of Technology, Ranchi, India, July 2000 - December 2001.

◇ **Professor and Head**, Department of Computer Science and Engineering, Birla Institute of Technology, Ranchi, India, September 1996 - July 2000.

◇ **Visiting Professor**, Department of Computer Science, Philadelphia University, Amman, Jordan, September 1995 - September 1996.

◇ **Professor and Head**, Department of Computer Science and Engineering, Birla Institute of Technology, Ranchi, India, June 1989 - September 1995.

◇ **Associate Professor**, Department of Computer Science and Engineering, Birla Institute of Technology, Ranchi, India, August 1986 - June 1989.

◇ **Assistant Professor**, Department of Mathematics and Statistics, Birla Institute of Technology and Science, Pilani, India, September 1985 - August 1986.

◇ **Senior Research Fellow**, Department of Informatics, Catholic University Of Rio de Janeiro, Rio de Janeiro, Brazil, July 1984 - August 1985.

◇ **Lecturer/Senior Lecturer**, Department of Mathematics and Computer Science, University of Ilorin, Ilorin, Nigeria, January 1980 - July 1984.

◇ **Lecturer**, Department of Mathematics, Basrah University, Basrah, Iraq, September 1975 - December 1980.

◇ **Research Associate**, Department of Mathematics, Indian Institute of Technology, Bombay, India, July 1972 - August 1975.

Honours
- ⋄ Brazilian National Research Council, Rio de Janeiro, Brazil, 1984-85.
- ⋄ Commonwealth Foundation Fellowship, Commonwealth Foundation, London, U.K., 1980.
- ⋄ Council of Scientific and Industrial Research, New Delhi, India, 1972-75.
- ⋄ National Scholarship, Government of India, New Delhi, India, 1968.
- ⋄ Distinctions and 8th rank in the Calcutta University, India merit list, 1968.

Membership in professional societies
- ⋄ Association for Computing Machinery, New York, U.S.A.
- ⋄ Association of Modelling and Simulation Enterprises, Lyon, France.
- ⋄ International Society for Computers and their Applications, U.S.A.
- ⋄ Institute of Mathematics and its Applications, Essex, U.K.
- ⋄ Indian Society of Technical Education, New Delhi, India.

Teaching experience
- ⋄ Courses Taught at University of New Brunswick (since Fall, 2002):

Course	Title	Taught (# of times)
CS1073	Programming in JAVA	1
CS1303	Discrete Structures-I	14
CS2013	Software Engineering-I	6
CS2043	Software Engineering-I	5
CS2303	Discrete Structures-II	6
CS2333	Computability and Formal Languages	7
CS2403	Operating System principles	1
CS3033	Software Design and Development	3
CS3505	Database Management System-I	1
CS4033	Software Project Management and Quality Assurance	5
CS4073	Software Process Improvement	2
CS4083	Leading Edge Technology in Software Development	5
CS4503	Database Management System-II	1
CS4613	Programming Languages	14
CS4983	Technical Report-II	5
CS4993	Honours Project	2
CS6745	Multi-agent Systems	5
CS6905	Data Mining and Data Warehousing	2

Students supervised
- ⋄ Graduate Students
  - · Mukherjee, I., Ph.D (graduated) Birla Institute of Technology, India.
  - · Sahana, S., Ph.D. (graduated), Birla Institute of Technology, India.
  - · Pathak, V., Ph.D. (graduated), Banasthali University, India.
  - · Ming, Y., M.Sc. (graduated), CSAS, University of New Brunswick, Saint John.
  - · Al-Obeidat, F., Ph.D. (graduated) , CSAS, University of New Brunswick, Saint John.

- Sukumar, V., M.Sc. (graduated), CSAS, University of New Brunswick, Saint John.
- Wang, Q., M.Sc. (graduated), CSAS, University of New Brunswick, Saint John.

◇ Undergraduate Students

- Hachey, C., *E-government in Canada*, Technical Report-II, CSAS, University of New Brunswick, Saint John, Winter 2016.
- Mahde, A., *Steganography and Implementation*, Technical Report-II, CSAS, University of New Brunswick, Saint John, Winter 2014.
- Alshakarah, F., *Recent Trends in Software Architecture*, Technical Report-II, CSAS, University of New Brunswick, Saint John, Winter 2014.
- Mohsen, M., *Cybercrime*, Technical Report-II, CSAS, University of New Brunswick, Saint John, Winter 2014.
- Ahmad, B., *Virtualization Security in a Cloud Environment*, CSAS, University of New Brunswick, Saint John, Winter 2014.
- Ipek, K., *Cloud Computing: Models, Integration and Issues*, CSAS, University of New Brunswick, Saint John, Winter 2014.
- Alotaibi, A., *Cybercrime: Detection and Prevention*, CSAS, University of New Brunswick, Saint John, Winter 2014.
- Abdullah, A., *Phishing Attacks: Identification and Prevention*, CSAS, University of New Brunswick, Saint John, Fall 2013.
- Abdullah, Alnaim, *Phishing Attacks: Identification and Prevention*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2013.
- Sah, A., *Recent Trends in Software Development*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2010.
- Akbar, A. *Use of Encryption and Digital Signature in Communication Technologies*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2010.
- Uppadhyay, U., *Current Trends in Multi-Agent Systems*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2010.
- McCann., R., *Recent Trends of Research and Development in Software Engineering*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2008.
- Wasif, S., *Recent Trends and Importance of Software Architecture*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2007.
- Mao, X., *The Byzantine General's Problem: A Retrospective*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2007.
- Anam, R., *Maturity of Software Architecture*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2006.
- Saha, S., *Software Architecture and its Application in the Present Context: A Review*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2006.

· Gao, G., *Design and Development of E-store Management Software using UML Managemnet of ebay*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2006.

· Hoque, A., *Software Architecture in Present Context: A Review*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2005.

· Zheng, X., *Project Management and Planning of Library Information and Tracking System*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall, 2005.

· An, R., *Overview and Evaluation of Ada Language*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2005.

· Sen, S., *Agent based Software Engineering History and Methodology*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2005.

· Rubayet. H., *Software Architecture: A Review*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2005.

· Ahmed, R., *Firewall Technology*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2005.

· Islam, S., *The Maturation of Software Architecture*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2004.

· Shahinoor, R., *P2P and JXTA Technology*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2004.

· Mahumud, H., *Agent and Object oriented Software Engineering*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2004.

· Myers, S., *Software Process Improvement: A Study of Process Improvement in Today's Advancing Market*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2004.

· Zhen, Z., *Perl Programming Language: A Review*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2004.

· Wang, Q., *Dynamic Data Exchange in VB Applications*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2004.

· Wang, W., *Evaluation of a New Classification Tool for Data Mining*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2004.

· Zhang, W., *Multimedia Applications*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2004.

· Kong, W., *Introduction to Java Server Pages Technology*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2004.

· Alam, A., *Reason and Rules to Use UML in Business Database Design*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2004.

· Munir, M., *History and Development of Software Architecture in Design Pattern*, Technical Report, CSAS, University of New Brunswick, Saint John, Winter 2004.

· Bhambani, S., *Multi-agent Systems and their Applications*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2003.

- Steeve, N., *A Comparison of Embedded Operating System*, Technical Report, CSAS, University of New Brunswick, Saint John, Fall 2002.

◇ Thesis Examiner/Committee Member

- Pandey, M., Ph.D. Thesis Examiner, Indian Institute of Information Technology University, India, Winter 2016.
- Jeary, N., M.Sc. Thesis Examiner, Laurentian University, Canada, Winter 2016.
- Parvaneh, M., Ph.D. Thesis Examiner, University of Delhi, India, Fall 2016.
- Verma, D. K., Ph.D. Thesis Examiner, Jaypee University of Engineering and Technology, India, Fall 2016.
- Bebarta, D., Ph.D. Thesis Examiner, Siksha 'O' Anusandhan University, India, Fall 2015.
- Jeyachidra, J., Ph.D. Thesis Examiner, Periyar Maniammai University, India, Fall 2015.
- Alsalami, B., M.Sc. Thesis Examiner, Laurentian University, Sudbury, Canada, Winter 2015.
- Stuart, J., Ph.D. Thesis Examiner, University of New Brunswick, Canada. Winter 2015.
- Singh, H., Ph.D. Thesis Examiner, Jaypee University of Engineering and Technology, India, Fall 2014.
- Makkena, A., M.Sc. Thesis Examiner, Laurentian University, Sudbury, Winter2014.
- Li, X., M.Sc. Thesis Examiner, UNBSJ, Winter 2014.
- Mukherjee, I., Birla Institute of Technology, India, Summer 2014.
- Yang, M., Master thesis, UNBSJ, Winter 2013.
- Vijay, R., Ph.D thesis examiner, Motilal Nehru National Institute of Technology, India, Winter 2013.
- Sharma, S., Ph.D. thesis examiner, Guru Gobind Singh Indraprastha University, India, Winter 2013.
- Jatti, A., Ph.D. thesis examiner, Visvevaraya Technological University, India, Summer 2013.
- Bamunusinghe, A., Ph.D. thesis examiner, Monash University, Australia, Spring 2013.
- Pande, J, Ph.D. thesis examiner, Uttaranchal Technical University, India, Summer 2013.
- Master thesis Examiner, The transformation of Web pages Towards a Consistent Layout to Gauge the Change in User Performance, Laureation University, Sudbury, Ontario, Canada, March 2013.
- Thukral, A., Ph.D. thesis examiner, University of Delhi, India, Fall 2012.
- Paunwala, C., Ph.D. thesis examiner, Sardar Vallabhbhai National Institute of Technology, India, Summer 2012.

- Gupta, N., Ph.D. thesis examiner, Jaypee Institute of Information Technology University, India, Winter 2012.
- Sharma, R., Ph.D. thesis examiner, University of Delhi, India, Winter 2012.
- Mishra, A., Ph.D. thesis examiner, Motilal Nehru National Institute of Technology, India, Fall 2011.
- Pushkar, S., Ph.D. thesis examiner, National Institute of Technology, India, Fall 2011.
- Ranjan, D., Ph.D. Thesis Examiner, Banaras Hindu University, India, Spring 2011.
- Ding, X., Ph.D. Thesis Examiner, Monash University, Australia, Winter 2011.
- An Optimal Sensor Architecture for Real Discrimination of Wi-fi Network Impersonators, Ph.D. Thesis Examiner, University of Melbourne, Australia, Fall 2010.
- Extracting Knowledge from Mobile Users Data, Ph.D. thesis Examiner, Monash University, Australia, Fall 2009.
- Robust and Efficient Intrusion Detection Systems, Ph.D. thesis Examiner, University of Melbourne, Australia, Fall 2009.
- Kumari, V., Ph.D. Thesis Examiner, University of Delhi, India, Winter 2008.
- Peng, X., MIS Thesis Reader and Examining Board Member, University of New Brunswick, Saint John, Winter 2008.
- Sharma, I., Ph.D. Thesis Examiner, Jadavpur University, India, Fall 2007.
- Majedi, M., M.Sc. Thesis Internal Reader and Chairperson, CSAS, University of New Brunswick, Saint John, Fall 2007.
- Gulati, H., Ph.D. Thesis External Examiner, University of Delhi, India, Fall 2006.
- Asghar, S., Ph.D. Thesis External Examiner, Clayton School of Information Technology, Monash University, Australia, Fall 2006.
- Ikejiani, O., M.Sc. Thesis Examiner, CSAS, University of New Brunswick, Saint John, Winter 2006.
- Gheorghiu, D., B.Sc. Thesis Examiner, CSAS, University of New Brunswick, Saint John, Winter 2006.
- Zhang, W., M.Sc Thesis Committee Member and Examiner, CSAS, University of New Brunswick, Saint John, Winter 2006.
- Canuel, J., M.Sc. Thesis External Examiner, Department of Computer Science, Lakehead University, Thunder Bay, Winter 2005.
- Chen, J., M.Sc. Thesis Committee Chairperson, CSAS, University of New Brunswick, Saint John, Fall 2005.
- Yao, J., B.Sc. Thesis Committee Member, CSAS, University of New Brunswick, Saint John, Winter 2004.
- Madani, M., B.Sc. Thesis Committee Member, CSAS, University of New Brunswick, Saint John, Winter 2004.

- Agarwal, A., B.Sc. Thesis Committee Member, CSAS, University of New Brunswick, Saint John, Winter 2004.
- Sharma, I., Ph.D. Thesis External Examiner, Jadavpur University, Calcutta, India, Winter 2003.
- Padiukova, I., MCS Thesis Examiner, Department of Computer Science, University of New Brunswick, Fredericton, Winter 2003.

RESEARCH

◇ Research Interests

Software engineering, software metrics, reliability modelling, modelling and simulation, numerical algorithms, finite elements, mobile and soft computing, verification of embedded software, neural computing, data mining, and multi-agent systems.

◇ Research in Progress

My research focuses on data mining, modeling and simulation with special emphasis on the design and development of agent-based systems. The research emphasizes on using ant colonies and self-regulated swarms to capture human behavior in software agents. These processes would also involve development of necessary computer based mathematical models on human personality theory to successfully apply the agents. Presently, I am working on a project with Spielo, a company based in Moncton, New Brunswick for development of new game strategies. This research will provide better understanding of the players to establish innovative means to achieve better gaming experience.

◇ Research Grant Received

- NBIF-Innovation Capacity Development Initiative Fund, New Brunswick, September 2006.
- Graduate Internship Project from Spielo, $20,000, August 2006.
- Concurrent Hybrid Intelligent Systems For Short Term Stock Forecasts, University of New Brunswick Research Fund, Grant Serial No. UNB36-23, $1,500, September 2002.
- Genetic Algorithm for Flow Network Modelling, All India Society of Technical Education, New Delhi, India, 2000-2002, Rs.1,000,000.
- Application of Mathematical Concepts to Develop Learning Models, University Grant Commission, New Delhi, India, 1998-2000, Rs.250,000.
- Development of a Simulation Model for Multi-Stage Assignment Problem, University Grant Commission, New Delhi, India, 1996-1998, Rs.360,000.

◇ International Collaborators

- Gao, Y., Ningxia University, China, visited Fall 2006.
- Mohanty, G., National Institute of Technology, India, visited Fall 2007.
- Mustafi, A., Birla Institute of Technology, India, visited Fall 2007.

PUBLICATIONS (1997-PRESENT)

◇ Papers in Refereed Journals

- Al-Obeidat, F., Belacel, N., and Mahanti, P. K., *A Meta-heuristic Approach Based Canonical GA for Developing PROAFTN and Exploring a Comparative Study with Decision Trees*, Journal of Advances in Information Sciences and Service Sciences (AISS), Volume 8, Number 3, pp. 12-26, June 2016.

· Mukherjee, I., Zain, J., and Mahanti, P. K., *An Automated Real-Time System for Opinion Mining using a Hybrid Approach*, International Journal of Intelligent Systems and Applications (IJISA), Volume 8, Number 7, pp. 55-64, June 2016.

· Sahana, S., and Mahanti, P. K., *Application of Modified Ant Colony Optimization (MACO) for Multicast Routing Problem*, International Journal of Intelligent Systems and Applications, Volume 8, Number 4, pp. 43-48, April 2016.

· Mahanti, P. K., Singh, H., and Kumar, S., *An Efficient Content Aware Dynamic Load Balancing Algorithm for Web Servers*, Journal of Next Generation Information Technology (JNIT), Volume 7, Number 1, pp.47-55, March 2016.

· Sahana, S., and Mahanti, P. K., *An Analysis of Email Encryption using Neural Cryptography*, Journal of Multidisciplinary Engineering Science and Technology (JMEST), ISSN: 3159-0040, Vol. 2, Issue 1, 2015.

· Srivastava, S., Sahana, S., Pant, D., and Mahanti, P. K., *Hybrid Microscopic Discrete Evolutionary Model for Traffic Signal Optimization*, Journal of Next Generation Information Technology (JNIT), Volume 6, Number 2, pp 1-8, 2015.

· Jena, R., and Mahanti, P. K., *An Empirical study of Techno-stress among Indian Academicians*, International Journal of Education and Learning, Vol. 3, No. 2, pp. 1-10, 2014.

· Sahana, S., Jain, A., and Mahanti, P. K., *Ant Colony Optimization for Train Scheduling: An Analysis*, International Journal of Intelligent Systems and Applications, Vol. 6 Issue 2, pp.29-36, 2014.

· Mukherjee, I., Bhattacharya, V., Mahanti, P. K., and Banerjee, S., *Text Classification Using Document-Document Semantic Similarity*, International Journal of Web Science, Vol. 2 No. 1/2, pp.1-26, 2013.

· Mukherjee, I., Bhattacharya, V., Mahanti, P. K., and Banerjee, S., *Text Classification Using Document-Document Semantic Similarity*, International Journal of Web Science, Vol. 2, No. 2, 2013.

· Sahana, S. K., Jain, A., and Mahanti, P. K., *Ant Colony Optimization for Train Scheduling: An Analysis*, International Journal of Intelligent Systems and Applications (IJISA), 2013.

· Jena, R. K., Aqel, M., and Mahanti, P. K., *MM-MMAS: An Efficient Energy-Aware Many-Many Mapping of 2D Network-on-Chip*, European Journal of Scientific Research, 2013.

· Pathak, V., Dhyani, P., and Mahanti, P. K., *Autonomous Image Segmentation using Density-Adaptive Dendritic Cell Algorithm*, International Journal of Image, Graphics and Signal Processing (IJIGSP), 2013.

· Mukherjee, I., Bhattacharya, V., Sinha, S., and Mahanti, P. K., *Query Classification based on Semantic Similarity*, International Journal of Engineering Research and Technology, Vol. 1, No. 4, 2012.

· Pathak, V., Dhyani, P., and Mahanti, P. K., *AIDEN: A Density Conscious Artificial Immune System for Automatic Discovery of Arbitrary Shape Clusters in Spatial Patterns*, Broad Research in Artificial Intelligence and Neuroscience, Vol. 3, No. 3, pp. 5-11, 2012.

· Mukherjee, I., Banerjee, S., Gupta, P., Mahanti, P. K., and Bhattacharya, V., *Semantic Web Based Usage Mining*, International Journal of Advanced Computer Engineering and Architecture, Vol. 2, No. 2, 2012.

· Deka, G., Zain, J., Mahanti, P. K. *ICT's Role in e-Governance in India and Malaysia: A Review*, Journal of Next Generation Information Technology, Vol. 3, No. 1, pp. 7-16, 2012.

· Pathak, V., Dhyani, P., and Mahanti, P. K., *Data Clustering with Artificial Innate Immune System Adding Probabilistic Behaviors*, International Journal of Data Mining and Emerging Technologies, Vol. 1 No.2, pp.77-84, 2011.

· Pathak, V., Dhyani, P., and Mahanti, P. K., *Data Clustering with Artificial Innate Immune System adding Probabilistic Behaviors*, International Journal of Data Mining and Emerging Technologies, Vol. 1, No.2, 2011.

· Al-Obeidat, F., Belacel, N., Carretero, J., Mahanti, P. K., *An Evolutionary Framework using Particle Swarm Optimization for Classification Method PROAFTN*, Applied Soft Computing Journal, Vol. 11, No. 8, pp. 4971 - 4980, 2011.

· Jena, R., Aqel, M. and Mahanti, P. K., *Network-On-Chip Design Space Exploration: A PSO Based Integrated Approach*, European Journal of Scientific Research, Vol. 64, No.1, pp. 5-19, 2011.

· Jena, R., Mahanti, P. K., *Computing in Cloud : Concept and Trends*, International Review on computers and Software (IRECOS), Vol. 6, No. 1, 2011.

· Al-Obeidat, F., Belacel, N., Carretero, J., and Mahanti,P. K., *A Hybrid Meta-heuristic Framework for Evolving the PROAFTN Classifier*, Special Journal Issues of World Academy of Science, Engineering and Technology, Vol. 64, pp. 217-225, 2010.

· Al-Obeidat, F., Belacel, N., Carretero, J., and Mahanti, P. K., *Differential Evolution for learning the classification method PROAFTN*, Int Journal Knowledge-Based Systems, Vol. 23, No. 5, pp. 418-426, 2010.

· Sarkar, B., Sana, S., and Mahanti, P. K., *A Modified Version of Jacobi Approach*, International Journal of Innovative Computing and Applications, Vol. 2, No. 1, pp. 1-6, 2009.

· Jana, R., Aqel, M., Srivastava, P., and Mahanti, P. K., *Soft Computing Methodologies in Bioinformatics*, European Journal of Scientific Research, Vol. 26, No. 2, pp. 189-203, 2009.

· Bhattacherjee, V., Mahanti, P. K., and Kumar, S., *Complexity Metric for Analogy Based Effort Estimation*, Journal of Theoretical and Applied Information Technology, Vol. 16, No. 1, pp. 1-8, 2009.

· Jena, R., Aqel, M., Srivastava, P., and Mahanti, P. K., *Soft Computing Methodologies in Bioinformatics*, European Journal of Scientific Research, Vol. 2, No. 2, 2009.

· Jena, R., Aqel, M., Sharma, K., and Mahanti, P. K., *Design Space Exploration of Regular NoC Architectures: A Multi-objective Evolutionary Algorithm Approach*, European Journal of Scientific Research, Vol. 20, No. 4, pp. 759-771, 2008.

· Jena, R. and Mahanti, P. K., *Design Space Exploration of Network-On-Chip: A System Level Approach*, International Journal of Computing and ICT Research, Vol. 2, No. 1, pp. 17-25, 2008.

· Ashis, N., Mamata, R., and Mahanti, P .K., *Computer Simulation of the Behavior of Julia Sets using Switching Processes*, Journal of Chaos, Solitons and Fractals, Vol. 37, No. 4, pp. 1187-1192, 2008.

· Jena, R. and Mahanti, P. K., *Design Space Exploration of Network on Chip: A System Level Approach*, International Journal of Computing and ICT Research, Vol. 1, No. 2, 2008.

· Mahanti, G., Pathak, N., and Mahanti, P. K., *Synthesis of Thinned Linear Antenna Arrays with Fixed Sidelobe Level using Real-coded Genetic Algorithm*, Progress In Electromagnetics Research, Vol. 75, pp. 319-328, 2007.

· Jena, R. and Mahanti, P. K., *A State-of-the-Art Review on Quantum Information Computing*, International Review on computers and Software, Vol. 2, No. 5, pp. 451-462, 2007.

· Jena, R., Sharma, G., and Mahanti, P. K., *A Multi-Objective Optimization Model for SoC Design Space Exploration at System Level*, Journal of Advanced Manufacturing Technology, Vol. 1, No. 1, pp. 101-111, 2007.

· Bhattacherjee, V., Suri, D., and Mahanti, P. K., *Software Testing: A Graph Theoretic Approach*, International Journal of Information and Communication Technology, Vol. 1, No. 1, 2007.

· Mahanti, P. K., Al-Fayoumi, M., and Banerjee, S. *Simulating Targeted Attacks Using Research Honey-pots based on Ant Colony Metaphor*, European Journal of Scientific Research, Vol. 16, No. 4, 2007.

· Misra, S. and Mahanti, P. K., *Modified Cognitive Complexity Measure: An Analysis*, European Journal of Scientific Research, Vol. 16, No. 3, 2007.

· Swami, D., Mahanti, P. K., and Al-Fayoumi, M., *Development of Computer Simulation of Wavelet Selection Technique for Time Frequency Analysis*, European Journal of Scientific Research, Vol. 18, No. 2, pp. 332-337, 2007.

· Misra, S., Misra, S. C. ,Woungang, I., Chen, W., Mahanti, P. K., *Extending Troops to Model Quality of Service in Distributed Systems*, Journal of Internet Technology, Vol. 8, No. 1, pp. 1-8, 2007.

· Mahanti, P. K., Banerjee, S., and Aqel, M. M., *Soft Modeling of Group Dynamics and Behavioral Attributes Conceptualizing Stigmergic Coordination*, European Journal of Scientific Research, Vol. 15, No. 4, pp. 520-531, 2006.

· Banerjee, S., Grosan, C., Abraham, A., and Mahanti, P. K., *Intrusion Detection in Sensor Networks Using Emotional Ants*, Journal of Applied Science and Computations, Vol. 12, No. 3, pp. 152-173, 2005.

· Bhattacherjee, V., Suri, D., and Mahanti, P. K., *Application of Regular Matrix Theory to Software Testing*, European Journal of Scientific Research, Vol. 12, No. 1, pp. 60-70, 2005.

· Mukherjee, K., Bhattacherjee, V., and Mahanti, P. K., *Software Engineering Training and Education: A Review*, European Journal of Scientific Research, Vol. 11, No. 2, pp. 7-12, 2005.

· Jain, A., and Mahanti, P. K., *Traffic Characterization of a Web Proxy Server using Intelligent Caching*, International Journal of Applied Science and Computation, Vol. 12, No. 1, pp. 12-22, 2005.

· Saxena, P. C., Mahanti, P. K., and Arora, I. J., *Impact of Redundant Version Number on Cost of Accessing Broadcast Data in Mobile Computing*, International Journal of Applied Science and Computation, Vol. 11, No. 3, pp. 154-181, 2004.

· Abraham, A., Philip, S., and Mahanti, P. K., *Soft Computing Models for Weather Forecasting*, International Journal of Applied Science and Computation, Vol. 11, No. 3, pp. 106-117, 2004.

· Aqel, M., Sheikh, A. J., and Mahanti, P. K., *Simulation of Digital Control System*, Journal of System Analysis Modelling and Simulation, Vol. 42, No. 10, pp. 1419-1428, 2002.

· Aderounmu, G. A., Ogwu, F. J., Adagunod, E. R., Akintok, A. A., Adetoye, A. O., and Mahanti, P. K., *Intelligent Hybrid Multi-Agent Computational Architecture for Resources in Complex Systems*, International Journal of Information and Computing Science, Vol. 4, No. 1, pp. 1-12, 2001.

· Abraham, A., Nath, B., and Mahanti, P. K., *Hybrid Intelligent Systems for Stock Market Analysis*, Lecture Notes in Computer Science, Vol. 2074, pp. 337-345, 2001.

· Bhattacharya, M., and Mahanti, P. K., *Software Reliability System Modeling: A Review*, Journal of System Analysis Modelling and Simulation, Vol. 38, pp. 129-140, 2000.

· Ogwu, F. J., Aderounmu, G. A., Adagunod, E. R., Akintok, A. A., Adetoye, A. O., and Mahanti, P. K., *Intelligent Single-Agent Control in a Deterministic Environment*, International Journal of Information and Computing Science, Vol. 3, No. 1, pp. 26-35, 2000.

· Aqel, M., Mahmoud, M., and Mahanti, P. K., *Semi-dynamic Menus versus Static and Dynamic Menus*, International Journal of Information and Computing Science, Vol. 3, No. 2, pp. 72-85, 2000.

· Mahanti, P. K., and Aqel, M., *Y2K Problem and Solution: A Survey*, ComsoMath, Vol. 2, No. 2, 1999.

· Mahanti, P. K., Choudhari, S., and Aqel, M., *Caching of Multimedia Objects: A Survey*, International Journal of Information and Computing Science, Vol. 2, No. 2, pp. 29-32, 1999.

· Mahanti, P. K., and Fiyoumi, M. A., *Behaviour of Predator-Prey Interactions: A Simulation Study*, Journal of System Analysis Modeling and Simulation, Vol. 32, No. 1, pp. 181-188, 1998.

- Mahanti, P. K., Farhan, H. A. K., and Fayoumi, M. A., *Implementation of Information Abstraction System with Task Maintenance*, Journal of Advanced Modelling and Simulation, Vol. 31, No. 1 and 2, pp. 37-43, 1997.

- Abdul-Huda, B. A. H., and Mahanti, P. K., *Application of Databases in Discrete Simulation Data Modelling*, Journal of Information and Optimization Science, Vol. 18, No. 3, pp. 423-430, 1997.

- Saha, G. K., and Mahanti, P. K., *Algorithm Based Fault Tolerance in an On-Line Computation*, Journal Computer Society of India, Vol. 13, pp. 13-14, 1997.

- Saha, G. K., and Mahanti, P. K., *EMP-Fault Tolerant Computing: A New Approach*, Journal of Microelectronic Systems Integration, Vol. 5, No. 3, pp. 1-16, 1997.

- Mahanti, P. K., Farhan, H. A. K., and Hyassat, K., *Laboratory Teaching of Data and File Structure*, Journal of Advanced Modelling and Analysis, Vol. 31, No. 1 and 2, pp. 29-35, 1997.

◇ Papers in Refereed Conferences

- Sahana, S., Jain, A., and Mahanti, P. K., *An Analysis of Ant Colony Optimization for Train Scheduling*, CSIT, Proceedings of the 15th International Conference on Computer Sciences and Information Technologies, 2013.

- Jena, R., and Mahanti, P. K., *Node Replacement for Wireless Sensor Network using Multi-objective PSO*, Proceedings of International Conference on Computer Technology and Science, Vol.47, pp.53-58, Singapore, 2012.

- Sahana, S., Jain, A., Al-Fayoumi, M., and Mahanti, P. K., *Solution of Traveling Salesman Problem using Hybrid Ant Colony Algorithm*, Proceedings of Advances in Information Technology and Applied Computing Conference, pp. 11-16, 2012.

- Sahana, S., Al-Fayoumi, M., Jain, A., Mahanti, P. K., *Analysis of Traveling Salesman Problem using Hybrid Ant Colony Algorithm*, Submitted to International Conference on Advanced Computer Science Applications and Technologies, 2012.

- Mukherjee, I., Bhattacharya, V., Banerjee, S., Gupta, P. and Mahanti, P. K. *Efficient Web Information Retrieval based on Usage Mining*, Proceedings of International Conference on Recent Advances in Information Technology, Dhanbad, India, 2012.

- Jena, R., Mahanti, P. K., *An Integrated Approach to NoC Design Space Exploration*, Proceedings of International Conference on Network, Communication and Computer, New Delhi, India, 2011.

- Bhattacherjee, V., Aqel, M., Mahanti,P.K., and Singh,V, *Hidden Coupling and Its Impact on Software Reliability*, Proceedings of the International Conference on Future Computer and Communication, Lasi, Romania, 2011.

- Al-Obeidat, F., Belacel, N., Carretero, J., and Mahanti, P. K., *Automatic Parameter Settings for the PROAFTN Classifier Using Hybrid Particle Swarm Optimization*, Proceedings of the Canadian Conference on Artificial Intelligence, pp. 184-195, 2010.

· Mukherjee, I. Al-Fayoumi ,M., Mahanti, P. K., Jha, R. and Al-Bidewi, I., *Content analysis based on text mining using genetic algorithm*, Proceeding of the IEEE International Conference on Computer Technology and Development, pp.432-436, Cairo, Egypt, 2010.

· Mukherjee, I., Aqel, M., and Mahanti, P. K., *Web Log Analysis using Web Mining*, Proceedings of the International Conference on Computer Technology and Development(ICCTD 2010), Cairo, Egypt, 2010.

· Al-Obeidat, F., Belacel, N., Carretero, J., and Mahanti, P. K., *Automatic Parameter Settings for the PROAFTN Classifier using Hybrid Particle Swarm Optimization*, Proceedings of Canadian Conference on Artificial Intelligence, Ottawa, Canada, 2010.

· Al-Obeidat, F., Belacel, N., Carretero, A., and Mahanti, P. K., *A Hybrid Metaheuristic Framework for Evolving the PROAFTN Classifier*, Proceedings of the International Conference on Data Mining and Knowledge Engineering, Italy, 2010.

· Mahanti, P. K., Al-Fayoumi, M., and Banerjee, S., *Web Query Reformulation using Differential Evolution*, Proceedings of the International Conference on Industrial Engineering and other Applications of Applied Intelligent Systems, Cordoba, Spain, 2010.

· Belacel, N.,Al-Obeidat, F., Mahanti, P. K., and Carretero, A., *Discretization Techniques and Genetic Algorithm for Learning the Classification Method PROAFTN*, Proceeding of the International Conference International Conference on Machine learning and Applications, U.S.A., 2009.

· Al-Fayoumi, M., Banerjee, S., and Mahanti, P. K., *Analysis of Social Network using Clever Ant Colony Metaphor*, Proceedings of the International Conference on Computer, Electrical ,and System Science and Engineering, Tokyo, Japan, 2009.

· Aqel, M., Mahanti, P. K., and Banerjee, S., *Analyzing Artificial Emotion in Game Characters using Soft Computing*, Proceedings of the International Conference on Computer, Electrical ,and System Science and Engineering, Tokyo, Japan, 2009.

· Mahanti, P. K., and Banerjee, S., *Analyzing the Impact of Information Retrieval using Fuzzy Logic*, Proceedings of the International Workshop on Computer Science and Information Technologies, Department of Computer Science and Robotics, Ufa, Russia, 2009.

· Banerjee, S., Al-Fayoumi, M., and Mahanti, P. K., *Cloud Computing initiative using Modified Ant Colony Framework*, Proceedings of the International Conference on Computer, Electrical and System Science, and Engineering, Singapore, 2009.

· Banerjee, S. and Mahanti, P .K., *Managing E-mail accounts through Stigmergy*, Proceedings of the International Computer Science IT Education Conference, pp.97-109, Mauritius, 2007.

· Al-Fayoumi,M., Banerjee, S., and Mahanti, P. K., *Development of Social Network using Ant Colony Metaphor*, Proceedings of the International Conference on Computer Science and Information Engineering, Los Angeles, U.S.A., 2009.

· Jena, R., Sharma, G., and Mahanti, P. K., *A Multi-Objective Optimization Model for SoC Design Space Exploration at System Level*, International Conference for Engineering and ICT, pp. 107-117, Melaka, Malaysia, 2007.

· Jena, R., Sharma, G., and Mahanti, P. K., *A Multi-objective Optimization Model for SoC Design Space Exploration Level*, Proceedings of the International Conference on Engineering and Information and Communication Technology, pp. 107-116, Malaysia, 2007.

· Al-Fayoumi, M., Mahanti, P. K., and Swami, D., *Neural Network Classifier Approach for Distributed Databases*, Proceedings of the International Conference on Computer Applications in Industry and Engineering, pp. 17-22, San Francisco, U.S.A., 2007.

· Al-Fayoumi, M., Mahanti, P. K., and Banerjee, S., *Optitest: Optimizing Test Case using Hybrid Intelligence*, Proceedings of the International Conference of Computational Intelligence and Intelligent Systems, pp.43-48, London, U.K., 2007.

· Mahanti, P. K., Rajanish, R., and Bhattacherjee, V., *Measuring Class Cohesion: An Empirical Approach*, Proceedings of the International Conference on Computer Applications in Industry and Engineering, pp.193-198, Las Vegas, U.S.A., 2006.

· Mahanti, P. K., Swami, D., and Mohammed, Al-Fayoumi, *Classification Rule Extraction Approach based on Homogeneous Samples*, Proceedings of the International Conference on Computer Applications in Industry and Engineering, pp.108-113, Las Vegas, U.S.A., 2006.

· Misra, S. C., Woungang, I., and Mahanti, P. K., *Using Tropos to Model Quality of Service in the Designing of Networks and Distributed Systems*, Proceedings of the Conference on Advanced Communication Technology, pp. 541-546, Gangwan-do, Republic of Korea, 2006.

· Mahanti, P. K., and Mahanti, R., *Software Engineering Education from the Indian Software Industries Point of View*, Proceedings of the the Annual Global Information Technology and Management World Conference, pp. 21-24, Orlando, U.S.A., 2006.

· Mahanti, P. K. and Chaudhuri, S., *IT and its Role in Indian Education System: An Overview*, Proceedings of the the Annual Global Information Technology and Management World Conference, pp. 25-28, Orlando, U.S.A., 2006.

· Gao, Y., Lui, Y., and Mahanti, P. K., *Implementation of E-learning in Western China: A Review*, Proceedings of the Conference of the International Association of Science and Technology for Development Modelling and Simulation, pp. 449-452, Montreal, Canada, 2006.

· Banerjee, S., Mahanti, P. K., and Aqel, M., *Evaluation of Cognitive Behaviour using Hybrid Intelligence*, Proceedings of the International Conference on Computer Science and Information Technology, pp. 791-797, Amman, Jordan, 2006.

· Mahanti, P. K. and Banerjee, S., *Automated Testing in Software Engineering: Using Ant Colony and Self Regulated Swarms*, Proceedings of the Con-

ference of the International Association of Science and Technology for Development Modelling and Simulation, Montreal, Canada pp. 443-448, 2006.

· Bhattacherjee, V. and Mahanti, P. K., *A Graph Theoretic Analysis of Basis Path Testing*, Proceedings of the International Workshop on Computer Science and Information Technologies, pp.42-49, Ufa, Russia, 2005.

· Banerjee, S., Abraham, A., and Mahanti, P. K., *Soft Modeling of Group Dynamics and Behavioral Attributes*, Proceedings of the IEEE International Workshop on Soft Computing as Transdiciplinary Science and Technology, Muroran Institute of Technology, pp. 103-112, Japan, 2005.

· Mahanti, R. and Mahanti, P. K., *Software Engineering Education from Indian Perspective*, Proceedings of the Conference on Software Engineering Education and Training, pp. 111-117, Ottawa, Canada, 2005.

· Mahanti, P. K. and Bhattacherjee, V., *Laboratory Based Teaching in Software Engineering*, Proceeding of the International Workshop on Computer Science and Information Technology, pp. 93-96, Budapest, Hungary, 2004.

· Mahanti, P. K. and Bhattachrjee, V., *Software Design and Visualisation for an Intelligent System*, Proceedings of the IEEE Conference in Advancing Technology, pp. 17-25, Manama, Bahrain, 2004.

· Mahanti, P. K., Bhattacharjee, V., and Suri, D., *Application of Regular Matrix Theory to Software Testing*, Proceedings of the International Conference on Intelligent and Adaptive Systems and Software Engineering, pp. 19-25, Nice, France, 2004.

· Mohammed, S., Yang, L., Fiaidhi, J., and Mahanti, P. K., *Developing a Mammography P2P Medical Consultation System*, Proceedings of the International Conference on Imaging Science, Las Vegas, U.S.A., 2004.

· Mahanti, P. K., and Hyasat, K., *Application of Intelligent System for Short Term Forecasts*, Proceedings of the International Workshop in Computer Science and Information Technologies, Russia, 2003.

· Mahanti, P. K., *A Survey on Interpretation and Design of Medical Expert System*, Proceedings of the International Conference on Computer Applications in Industry, Durban, South Africa, 1999.

· Kumar, A. and Mahanti, P. K., *Expert System and Decision Support Systems in Agriculture*, Proceedings of the International Conference Association of Modelling and Simulation, Jaipur, India, 1999.

· Mahanti, P. K., *Push-Pull Modelling in WWW*, Proceedings of the International Conference Association of Modelling and Simulation Enterprises, Jaipur, India, 1999.

· Mahanti, P. K., *A Step by Step Analysis of Reconfigurable Computer System*, Proceedings of the International Conference on Education Computing, Manila, Philippines, 1997.

◇ Books Published

· Mahanty, R. and Mahanti, P. K., *Unleashing Artificial Intelligence onto Big Data - A Review*, Handbook of Research on Computational Intelligence Applications in Bioinformatics, IGI Global, Book Chapter, pp.1-16, June 2016.

- Mahanti, P. K., Al-Fayoumi, M., Banerjee, S., and Al-Obeidat, F., *Web Query Reformulation Using Differential Evolution.* In Trends in Applied Intelligent Systems, Book Chapter, Lecture Notes in Computer Science, Vol. 6097, pp. 484-493. 2011.
- Banerjee, S., and Mahanti, P. K., *Verification of Attributes in Linked Lists Using Ant Colony Metaphor*, Evolutionary Computation and Optimization Algorithms in Software Engineering: Applications and Techniques, Book Chapter, pp. 220-228, 2010.
- Mahanti, P. K. and Banerjee, S., *Evolutionary Computation and Optimization Algorithms in Software Engineering: Applications and Techniques*, IGI Global Publishing, U.S.A., 2010.
- An Optimal Algorithm for Contrast Enhancement of Dark Images using Genetic Algorithms, Studies in Computational Intelligence, Springer Berlin, Vol. 208, pp. 1-8, 2009.
- Modelling Process and Supply Chain Scheduling using Hybrid Meta-heuristics (Book Chapter), Studies in Computational Intelligence, Springer Berlin, Vol. 128, pp. 277-300, 2008.
- Banerjee, S., Dangayach, G., Mukherjee, S., and Mahanti, P. K., *Modeling Process and Supply Chain Scheduling using Hybrid Meta-heuristics*, Book Chapter, Series in Studies in Computational Intelligence: Meta-heuristics for Scheduling: In Industrial and Manufacturing Applications, Vol. 1, pp. 279-303, 2008.
- Mahanti, P. K and Chaudhuri S., *An Introduction to Software Engineering: A Case Study Approach*, Khanna Publications, New Delhi, 2007.
- Mahanti, P. K. and Banerjee S., *Soft Honey: Soft Computing based Honeypot Model for Preventing Network Attack (Book Chapter)*, Handbook of Research on Information Security and Assurance, Ideal Group Reference Inc., U.S.A., 2007.
- Mahanti, P. K., *Object Oriented Programming in C++*, Khanna Publications, New Delhi, India, 2000.
- Mahanti, P. K. et al. (editor), *International Conference on Modelling and Simulation Enterprises* , (AMSE) Proceedings, Tata-McGraw Hill Publishers, New Delhi, India, 2000.
- Mahanti, P. K. et al., *Fundamentals of Assembly Language Programming*, New Central Book Agency, Calcutta, India, 1998.
- Mahanti, P. K. et al., *Fundamentals of Computer Science*, Norosa Publication of India, New Delhi, India, 1996.
- Mahanti, P. K., *An Introduction of PC Software*, Academic India Publication, New Delhi, India, 1995.
- Mahanti, P. K., *PS-DOS Workbook*, Academic India Publication, New Delhi, India, 1995.
- Mahanti, P. K., *Dbase III Plus Workbook*, Academic India Publication, New Delhi, India, 1995.

- Mahanti, P. K., *Lotus 1-2-3 Workbook*, Academic India Publication, New Delhi, India, 1995.
- Mahanti, P. K., *Word Star Workbook*, Academic India Publication, New Delhi, India, 1995.

◇ Books Reviewed

- Scattering Methods in Complex Fluids by Sow-Hsin Chen, Cambridge University Press, 2015.
- The Stochastic Perturbation Method for Computational Mechanics by Marcin Kaminski, John Wiley, 2013.
- Upper Bound limit load Solutions for Welded Joints with Cracks by Sergey Alexandrov, Springer Heidelberg, Germany, 2012.
- Duration and Bandwidth limiting by Jeffrey by A Hogan et al., Springer Science, Boston, U.S.A., 2012.
- The Mathematics of Pursuit and Evasion by Paul J. Nahin, Princeton University Press, U.S.A. (2007), 2009.
- Quantitative Modeling of Earth Surface Processes by Jon Pelletier, Cambridge University Press (2008), 2009
- Inhibitory rules in Data Analysis, by Powel Delimata et. al., Studies in Computational intelligence, Springer, Germany, 2009.
- A Concise Introduction to Languages and Machines by Alan P. Parkers, Undergraduate Topics in Computer Science, Springer, Germany, 2009.
- Channel Coding in the Presence of Side Information, by Guy Keshet et. al., Essence of Knowledge, Boston, U.S.A., 2009.
- Topics in Multi-user Information Theory, by Gerhard Kramer, Essence of Knowledge, Boston, U.S.A., 2009.
- The Mathematics of Pursuit and Evasion by Paul J. Nahin, Princeton University Press, U.S.A. (2007), 2009.
- Quantitative Modeling of Earth Surface Processes by Jon Pelletier, Cambridge University Press (2008), 2009.
- Inhibitory Rules in Data Analysis by Powel Delimata *et al., Studies in Computational Intelligence, Springer, Germany, 2009.*
- *A Concise Introduction to Languages and Machines by Alan P. Parkers, Undergraduate Topics in Computer Science, Springer, Germany, 2009.*
- *Channel Coding in the Presence of Side Information by Guy Keshet* et al., Essence of Knowledge, Boston, U.S.A., 2009.
- Topics in Multi-user Information Theory by Gerhard Kramer, Essence of Knowledge, Boston, U.S.A., 2009.
- Quantum Monte Carlo, Origins, Developments, Applications, Oxford University Press, 2008.
- Practical Distributed Processing: Undergraduate Topics in Computer Science, ISBN 9781846288401, Springer, 2008.

- · Tsunamis and Hurricane: A Mathematical Approach, ISBN: 3211331581, Springer, 2007.
- · Entropy Search Complexity, ISBN: 9783540325734, Springer, 2007.
- · Numerical Partial Differential Equations for Environmental Scientists and Engineers: A First Practical Course, ISBN: 0378236198, Springer, 2005.
- · A Mathematical Treatment of Economic Co-operation and Competition among Nations: With Nigeria, U.S.A., UK, China and Middle East Examples, ISBN: 0444518592, Elsevier, 2005.
- · Introduction to the Mathematical and Statistical Foundations of Econometrics, ISBN: 05215422243, Cambridge University Press, 2005.
- · Efficient Numerical Methods and Information-Processing Techniques for Modeling Hydro-and Environmental Systems, ISBN: 3540241469, Springer, 2005.
- · Software Configuration Management, ISBN: 2003062981, Auerbach Publications, 2005.
- · Behavioural Game Theory: Experiments in Strategic Interaction The Roundtable Series in Behavioral Economics, ISBN: 0691090394, Princeton University Press, 2003.
- · Incomplete Information Structure, Inference, Complexity, ISBN: 3540419047, Springer, 2002.
- · Digital Signal Processing with Field Programmable Gate Arrays, ISBN: 3540413413, Springer, 2002.
- · Evolution and Challenges in System Development, ISBN: 030646053X, Kluwer Academic/Plenum Publishers, 2002.

◇ Major Conference Participation

- · International Conference on Industrial Engineering and other Applications of Applied Intelligent Systems, Cordoba, Spain, 2010.
- · International Conference on Computer, Electrical, and System Science and Engineering, Tokyo, Japan, May, 2009.
- · International Conference on Computer, Electrical, and System Science and Engineering, Singapore, August, 2009.
- · Canadian Association of Computer Science Annual Meeting, Winnipeg, Canada, June, 2008.
- · Canadian Association of Computer Science Annual Meeting, Saint John's, Canada, June 14-15, 2007.
- · International Conference on Computer Applications in Industry and Engineering, San Francisco, U.S.A., November 7-9, 2007.
- · International Conference of computational Intelligence and Intelligent Computing, London, U.K., July 2-4, 2007.
- · International Conference on Computer Applications in Industry and Engineering, Las Vegas, U.S.A., November 13-15, 2006.

- International Conference on Modeling and Simulation, Organized by the International Association of Science and Technology, Montreal, Canada, May 24-26, 2006.
- International World Conference for Global Information Technology Management Association , Orlando, Florida, U.S.A., June 11-13, 2006.
- International Conference on Software Engineering Education and Training, Ottawa, Canada, April 18-20, 2005.
- Canadian Association of Computer Science Annual Meeting, University of Saskatchewan, Saskatoon, Canada, May 31-June 1, 2002.
- International Conference on Modelling and Simulation, Jaipur, India, 1999. (I was involved as local organising secretary; I also edited the proceedings published by Tata-McGraw Hill, New Delhi, India.)
- International Conference on Modelling and Simulation, Technical University of Natal, Durban, South Africa, 1999.
- International Conference on Modelling and Simulation, Victoria University of Technology, Melbourne, Australia, 1997.

◇ Invited Scholarly Seminars

- Keynote speaker at the International Conference on Computational Techniques in Information and Communication Technologies, University School of Information and Communication Technology, GGS Indraprastha University, New Delhi, India, 2016.
- Key note speaker at the International Conference on Software Engineering and Computer Systems, Foster Rapid Innovation in ICT, Universiti Malaysia Pahang, Malaysia, 2011.
- Chair a session at the International Conference on Industrial Engineering and other Applications of Applied Intelligent Systems, Cordoba, Spain, 2010.
- Chair a session at the International Conference on Computer, Electrical, and System Science and Engineering, Tokyo, Japan, 2009.
- Chair a session at the International Conference on Computer, Electrical, and System Science and Engineering, Singapore, 2009.
- Chair a session at the International Conference on Computer Applications in Industry and Engineering, San Francisco, U.S.A., November 7-9, 2007.
- Chair a session at the International Conference of Computational intelligence and Intelligent Systems, London, U.K., July 2-4, 2007.
- Deliver a seminar presentation at the Institute of Management Technology, Nagpur, India, August 3, 2007.
- Chair a session at the 17th International Conference on Modelling and Simulation, Montreal, Canada, May 24-26, 2006.
- Chair a session at the 7th World Conference for Global Information Technology Management Association, Orlando, U.S.A, June 11-13, 2006.
- Deliver special lecture series on Discrete Structures, Birla Institute of Technology, Muscat, Oman, May 15-25, 2005.

· Deliver special lecture series on Software Testing and Quality Assurance, Birla Institute of Technology, Muscat, Oman, May 6-16, 2004.

· Local organising secretary at the International Association of Modelling and Simulation Enterprises, Birla Institute of Technology, Jaipur, India, 1999.

· Keynote speaker and session chairman at the International Conference on Modelling and Simulation, Natal, South Africa, 1999.

· Keynote speaker at the International Conference on Modelling and Simulation, Australia, 1997.

SERVICE ◇ Service on University Campus, Faculty and Divisional Committees

· CSAS Timetable Committee, University of New Brunswick, Saint John, 2016-17.

· CSAS Transfer Credit Committee, 2016-17.

· CAE Assessment Committee, 2016-17.

· Level II committee (Faculty), 2016-17.

· CSAS Timetable Committee, University of New Brunswick, Saint John, 2015-16.

· CSAS Transfer Credit Committee, 2015-16.

· CSAS Timetable Committee, University of New Brunswick, Saint John, 2014-15.

· CSAS Transfer Credit Committee, 2014-15.

· CSAS Library Committee, 2014-15.

· CSAS Timetable Committee, University of New Brunswick, Saint John, 2013-14.

· CSAS Transfer Credit Committee, 2013-14.

· CSAS Library Committee, 2013-14.

· Acting, Chair, August 22-30, 2013.

· Member, Senate Curriculum Committee, 2011-12.

· Member, Organizing Committee and Judge, Fundy Regional Science Fair, University of New Brunswick, Saint John, April 2008.

· Level II Member, Faculty of Science, Applied Science and Engineering, University of New Brunswick, Saint John, 2007-08.

· Level-I CSAS Committee Chair, 2005-08.

· Transfer Credit, Recruitment/PR and Prizes Degree Committee, 2006-08.

· CSAS Library Coordinator, University of New Brunswick, Saint John, 2002-04 and 2005-08.

· Level-II Member, Faculty of Science, Applied Science, and Engineering, University of New Brunswick, Saint John, 2005-06.

· Chair, CSAS, University of New Brunswick, Saint John, 2005-08.

· Member, Senate Academic Planning and Resources Committee, 2005-08.

· Level-I CSAS Committee Chair, 2006-07.

· Transfer Credit, Recruitment/PR and Prizes Degree Committee, 2006-07.

· Alternate Member, Senate Student Appeals Committee, University of New Brunswick, Saint John, 2004-07.

· Alternate Member, Senate Student Admissions Committee, University of New Brunswick, Saint John, 2006-07.

· CSAS Time Table Committee, University of New Brunswick, Saint John, 2003-04.

· Senate Time Table Committee member of University of New Brunswick, Saint John, 2003-06.

· Initiated arranging a collaborative agreement between University of New Brunswick (Saint John) and Birla Institute of Technology, India, 2003.

◇ Service as International Program Committee Member

· International Conference on Advances in Communications, Analytics and Smart Computing (ICACAS-2017), MLR Institute of Technology, January 3-5, 2017, New Delhi, India.

· International Conference on Cloud Computing, Data Science and Engineering, Amity University, January 12-13, 2017, Noida, India.

· International Advisory Committee Member of the Joint Conference between School of Computer and Communication Engineering, Universiti Malaysia Perlis (UniMAP), Malaysia and Department of Computer Science and Engineering, Dhaka University of Engineering and Technology (DUET), February 7- 9, 2017, Dhaka, Bangladesh.

· International Conference on Operations Research and Enterprise Systems (ICORES), February 23-25, 2017, Portugal.

· International Conference on Marine Navigation and Safety of Sea Transportation (TransNav), June 21-23 ,2017, Gdynia, Poland.

· Invitation to the Global Roundtable on Inclusive Innovations, Festival of Innovations, March 12-13, 2016, The President of India's House, New Delhi.

· International Conference on Advanced Cognitive Technologies and Applications (COGNITIVE 2016), March 20-24, 2016, Rome, Italy.

· International Multi-conference at the Halu Oleo University of Indonesia, May 7-9, 2016, Bali, Indonesia.

· International Conference on Autonomic and Autonomous Systems (ICAS 2016), June 26-30, 2016, Lisbon, Portugal.

· Technical Program Committee of SAI Computing Conference 2016, July 13-15, 2016, London, U.K.

· International Advisory Committee of the 3rd International Conference on Electronic Design (ICED 2016, August 11-12, 2016) Phuket, Thailand.

· International Conference on Eurosim Congress on Modelling and Simulation, EUROSIM 2016, September 12-16, 2016, Oulu, Finland.

- International Conference on Emerging Ubiquitous Systems and Pervasive Networks, September 19-22, 2016, London, U.K.
- International Conference on Emerging Networks and Systems Intelligence (EMERGING 2016), October 9-13, 2016, Venice, Italy.
- International Conference on Applied Computing, October 28-30, 2016, Mannheim, Germany.
- International Conference on Big Data Analytics, Data Mining and Computational Intelligence (BigDaCI 2016), The Netherlands.
- International Program Committee of the Second International Conference on Information Processing, Security and Advanced Communication (IPAC 2016) to be held in, Czech Technical University, December 5-6,2016, Prague, Czech Republic.
- International Conference on the Future Technologies Conference (FTC 2016, December 6-7 ,2016, San Francisco, United States International Conference Sciences of Electronics, Technologies of Information and Telecommunications (SETIT 2016), December 18 -20, 2016, Hammamet, Tunisia.
- Conference on Cloud System and Big Data Engineering, Department of Computer Science and Engineering, Amity School of Engineering and Technology, January1 4-15, 2016, Delhi, India.
- International Conference on Information Science and Security, December 14-16, 2015, Seoul, Korea.
- International Conference on Education, Training and Informatics: ICETI 2015, March 10-13, Florida, USA.
- World Congress on Engineering, International Association of Engineers, July 1-3, 2015, London, United Kingdom.
- Multi Conference on Computer science and Information Systems, July 21-24, 2015, Spain.
- International Conference on Emerging Network Intelligence, July 19 - 24, 2015, Nice, France.
- International Conference on Data Analytics, July 19-24, 2015, Nice, France.
- International Conference Intelligent Systems and Agents, July 22-24, 2015, Las Palmas de GranCanaria, Spain.
- European Conference on Data Mining Conference, July 22-24, 2015, Las Palmas de GranCanaria, Spain.
- SAI Intelligent Systems Conference, November 10-11, 2015, London, United Kingdom.
- International conference on Intelligent Information Processing, Security and Advanced Communication, August 17-19, 2015, Algeria.
- Conference on Internet Technologies and Society, Federal University of Santa Catarina, November 30-December 2, 2015, Brazil.
- Member of the GS Multi-International Conference on Computer Science (GSMIC), April 24-26, 2015, Ireland.

- Member of International Program Committee of International Conference on Operations Research and Enterprise Systems (ICORES), January, 10-12, 2015, Portugal.

- Member of International Program Committee of the Conference on on Industrial, Engineering and Other Applications of Applied Intelligent Systems, 2015, Korea

- International Program Committee of the Intelligent Systems and Agents (ISA) Conference, July 15-17, 2014, Czech Republic.

- Member of Programme Committee of the 27th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems (IEA-AIE), June 3-6, 2014, China.

- Member of Program Committee of the 8th European Conference on Data Mining (ECDM) Conference, 15-17 July, 2014, Portugal.

- Member of the International Program Committee of the 10th International Workshop on Enterprise and Organizational Modeling and Simulation, June 16-17, 2014, Greece.

- Member of the federated World Congress in Computer Science, Computer Engineering, and Applied Computing, July 21-24, 2014, USA.

- IASTED International Conference on Modeling, Identification and Control (MIC 2014), Innsbruck, Austria, February 17-19, 2014.

- Science and Information Conference 2013, London, U.K., August 27-29, 2014.

- Third International Conference on Data Analytics, Rome, Italy, 2014.

- Conference on on Electronic Design, Penang Island, Malaysia, August, 2014.

- International Conference on Advanced Data Engineering (DaEng-2013), Kuala Lumpur, Dec 16-18,2013.

- IASTED International Conference on Modelling and Simulation (MS 2013), Banff, Canada July 17 - 19, 2013.

- International Program committee members of the 2nd International Conference on Data Analytics, September 29 - October 4, Porto, Portugal, 2013.

- International Program Committee of the 5th International Conference on Information and Communication Technologies, in Ohrid, Macedonia, September 12-15, 2013.

- International Program Committee of 8th International Workshop on Enterprise and Organizational Modeling And Simulation (EOMAS), Gdansk, Poland 26 June, 2013,

- FTRA Future Technology Research Association) and International Conference on Computer Science and its Applications in Danang, Vietnam, December 18 - 21, 2013.

- International Program of ICORES (International Conference on Operations Research and Enterprise Systems),France,2013.

- Conference on Advanced Computer Science Applications and Technologies, Kuala Lumpur - Malaysia, 2013.

- International Conference Sciences of Electronics, Technologies of Information and Telecommunications, Kuala Lumpur MALAYSIA, March24-28,2014.
- IASTED International Conference on Advances in Computer Science and Engineering, Thailand, 2013.
- IASTED International Conference on Advances in Computer Science, Thailand, 2013.
- IASTED Conference on Software Engineering, Austria, 2013.
- International Conference Sciences of Electronics, Technologies of Information and Telecommunications, China, 2013.
- International Conference on Information Communication Technology, Indonesia, 2013.
- International Conference Human-Machine Interaction, India, 2013.
- International Conference on Autonomic and Autonomous Systems, Portugal, 2013.
- IADIS European Conference on Data Mining, Czech Republic, 2013.
- Intelligent Systems and Agents Conference of the IADIS Intelligent Systems and Agents, Czech Republic, 2013.
- IADIS International Conference on Applied Computing, U.S.A., 2013.
- Conference on Operations Research and Enterprise Systems, Spain, 2013.
- Conference on Agents and Artificial Intelligence, Spain, 2013.
- IASTED International Conference on Modelling, Identification and Control, Austria, 2013.
- International Conference on Intelligent Robotics, Automations, Telecommunication Facilities, and Applications, Korea, 2012.
- International Conference on Computer Technology and Development, China, 2012.
- Conference on Software Engineering Education and Training, China, 2012.
- IASTED International Conference on Modeling, Identification and Control, Thailand, 2012.
- IASTED International Conference on Advances in Computer Science and Engineering, Thailand, 2012.
- International Conference on Stochastic Modeling Techniques and Data Analysis, Greece, 2012.
- International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, China, 2012.
- IASTED International Conference on Human-Computer Interaction, U.S.A., 2012.
- International Multi-Conference of Engineers and Computer Scientists, Hong Kong, 2012.
- International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, China, 2012.

- International Conference on Agents and Artificial Intelligence, Portugal, 2012.
- International Conference on Software Engineering Research, Management and Applications, China, 2012.
- International Conference on Society and Information Technologies, U.S.A., 2012.
- IASTED International Conference on Software Engineering, Greece, 2012.
- International Conference on Computer and Information Sciences, Malaysia, 2012.
- International Conference on Society and Information Technologies, U.S.A., 2012.
- African Conference on Software Engineering and Applied Computing, Botswana, 2012.
- International FLINS Conference on Uncertainty Modeling in Knowledge Engineering and Decision Making, Turkey, 2012.
- Conference on Operations Research and Enterprise Systems, Portugal, 2012.
- International Conference on Operations Research and Enterprise Systems, Portugal, 2012.
- International Conference on Emerging Network Intelligence, Spain, 2012.
- IAENG International Conference on Computer Science, Hong Kong, 2012.
- International Conference on E-education, E-learning-business, and E-learning, Hong Kong, 2012.
- International Multi-Conference of Engineers and Computer Scientists, Hong Kong, 2012.
- International Conference on Agents and Artificial Intelligence), Portugal, 2012.
- International Conference on Information Management in the Knowledge Economy, Chandigarh, India, 2012.
- International Conference on Internet Computing and Industrial Technology, Shenyang, China, 2011.
- International Conference on Future Computer and Communication, Lasi, Rumania, 2011.
- International Conference on Computer Supported Education and E- Learning Technology, USA, 2011.
- International Multi-Conference on Computing in the Global Information Technology, Luxembourg, 2011.
- International Conference on Advances in System Simulation, Spain, 2011.
- International Conference on Informatics Engineering and Information Science, Malaysia, 2011.
- Conference on Digital Information Processing and Communications, Ostrava, Czech Republic, 2011.

· International Conference on the Applications of Digital Information and Web Technologies, Wisconsin, USA, 2011.

· International Conference on Innovative Computing Technology, Tehran, Iran, 2011.

· International Conference on Mechanical and Electrical Technology, Dalian, China, 2011.

· International Conference on Uncertainty Reasoning and Knowledge all aspects of Uncertainty Reasoning and Knowledge Engineering and their applications, Bali, Indonesia, 2011.

· International Conference on Technology-Enhanced Learning, Sofia, Bulgaria, 2011.

· International Conference on Business Intelligence and Data Warehousing, Singapore, 2011.

· International Workshop on Enterprise and Organizational Modeling and Simulation, London, UK, 2011.

· International program committee of or the IASTED International Conference on Modeling, Simulation, and Identification), USA, 2011.

· International Conference on Agents and Artificial Intelligence, Spain, 2010.

· International Conference on Cybernetics and Information Technologies, Systems and Applications, Florida, U.S.A., 2010.

· International Conference on Computers and their Applications, Honolulu, U.S.A., 2010.

· International Conference on Advances in Computer Science and Engineering, Egypt, 2010.

· International Conference on Industrial Engineering and other Applications of Applied Intelligent Systems, Cordoba, Spain, 2010.

· Multi-conference on Society, Cybernetics and Informatics, U.S.A., 2010.

· International Conference on Society, Cybernetics and Informatics, U.S.A., 2010.

· International Conference on Education and Information Systems, Technologies and Applications, U.S.A., 2010.

· International Conference on Software Engineering Research, Management and Applications, Montreal, Canada, 2010.

· International Conference on International Association for Modeling and Simulation Techniques in Enterprises, France, 2010.

· International Conference on Ubiquitous Computing and Multimedia Applications, Kolkata, 2010.

· International Conference of Software Engineering Theory and Practice, Orlando, U.S.A., 2010.

· International Conference on Computer Graphics, Imaging and Visualization, Sydney, Australia, 2010.

· International conference E-medical Systems, Morocco, 2010.

- International conference on Modeling, Simulation and Identification, China, 2010.
- Conference on Agents and Artificial Intelligence, Valencia, Spain, 2010.
- International Conference on Intelligent Systems and Agents, Japan, 2010.
- Conference on Informatics, Cybernetics and Computer Applications, India, 2010.
- International Combinatorial Conference, Vietnam, 2010.
- Conference on Knowledge Discovery and Information Retrieval, Portugal, 2009.
- International Conference on Applied Simulation and Modeling, Spain, 2009.
- International Conference on Euromicro: Internet Technologies, Germany, 2009.
- International Conference on Software Engineering Research, Management and Applications, China, 2009.
- International Conference on Networked Digital Technologies, Czech Republic, 2009.
- International Conference on Modeling, Simulation and Identification, China, 2009.
- International Conference Computer Graphics, Imaging and Visualization, China, 2009.
- International Conference on the Application of Digital Information and Web Technologies, London, 2009.
- International Conference on Software Engineering Research, Management and Applications, U.S.A., 2009.
- International Program Committee of SNDP-2009, U.S.A., 2009.
- Conference on Knowledge Discovery and Information Retrieval, Portugal, 2009.
- Conference on Applied Simulation and Modeling, Spain, 2009.
- Conference on Euromicro: Internet Technologies, Germany,2009.
- Conference on Software Engineering research, Management and Applications, China, 2009.
- Conference on Networked Digital Technologies, Czech Republic, 2009.
- Conference on Modeling, Simulation and Identification, China, 2009.
- Conference Computer Graphics, Imaging and Visualization, China, 2009.
- Conference on the Application of Digital Information and Web Technologies, London, 2009.
- Conference on Software Engineering Research, Management and Applications, U.S.A., 2009.
- SNDP-2009, U.S.A., 2009.
- Conference on Computer and Information Science, Shanghai, China, 2009.
- Computer Science and Technology Conference, Los Angeles, U.S.A., 2009.

- International Conference on Modeling, Simulation, and Applied Optimization, U.A.E., 2009.
- Conference on Computers and their Applications, U.S.A., 2009.
- World Congress on Computer science and Information Engineering, U.S.A., 2009.
- International program committee member for the IASTED Conference on Software Engineering, Austria, 2009.
- International program committee member for Conference on Computer Supported System, Lisbon, Portugal, 2009.
- International Conference on Networked Digital Technologies, Czech Republic, 2009.
- Workshop on Advances in Programming Languages, Poland, 2009.
- International Conference on Internet Technologies, North Wales, U.K., 2009.
- Chaotic Modeling and Simulation International, Greece, 2009.
- Conference on Information Science, Technology and Applications, Kuwait, 2009.
- Conference on Data Management, India, 2009.
- International program committee of the Global Information Technology Management Association, Mexico City, 2009.
- International program committee of IADIS Conference on Intelligent Systems and Agents, Portugal, 2009.
- International Conference on Sciences of Electronics, Technologies of Information and Telecommunications, Tunisia, 2009.
- International Pacific-Asia Conference on Knowledge Discovery and Data Mining, Thailand, 2009.
- International program committee member, PACIS, Germany, 2008.
- International Workshop on Computer Science and Information Technologies, Turkey, 2008.
- the International Conference on E-medical Systems, Sfax, Tunisia, 2008.
- Conference on Advanced Software Engineering and Its Applications, China, 2008.
- Chaotic Modeling and Simulation International Conference, Crete, Greece, 2008.
- IADIS on Computer science and Information Systems, Netherlands, 2008.
- Modeling, Identification and Control, Shanghai, China, 2008.
- Workshop on Enterprise and Organizational Modeling and Simulation, France, 2008.
- ISCA on Parallel and Distributed Computing and Communication Systems, New Orleans, U.S.A., 2008 .
- International program committee member of the Conference on Future Generation Communication and Networking, Hainan Island, China, 2008.

· Conference on Data Mining, Las Vegas, U.S.A., 2008.

· Conference on Modeling and Simulation, Maan, Jordan, 2008.

· Conference on Data mining, Lisbon, Portugal, 2008.

· World Congress on Engineering, London, U.K., 2008.

· World Congress on Computational Intelligence, Hong Kong, China, 2008.

· Conference on Advanced Computation for Engineering Applications, Amman, Jordan, 2008.

· Euro-Micro Multi-media and Telecommunications: Network of the Future and its Applications, Parma, Italy, 2008.

· Conference on Software Engineering Theory and Practice, Orlando, U.S.A., 2008.

· IASTED International on Software Engineering, Innsbruck, Austria, 2008.

· International Conference on Software Engineering and Data Engineering, Los Angeles, U.S.A., 2008.

· Conference on Intelligent Systems and Agents, Warsaw, Poland, 2008.

· Conference on Computers and their Applications, Cancun, Mexico, 2008.

· Conference on Computer Applications in Industry and Applications, Hawaii, U.S.A., 2008.

· Conference on Information Security and Assurance, Busan, Korea, 2008.

· IASTED Conference on Applied Simulation and Modeling, Corfu, Greece, 2008.

· Conference on Systems, Signals and Devices, Amman, Jordan, 2008.

· WORLDCOMP Conference on Scientific Computing, Las Vegas, U.S.A., 2008.

· WORLDCOMP Conference on Software Engineering, Las Vegas, U.S.A., 2008.

· WORLDCOMP Conference on Information and Knowledge Engineering, Las Vegas, U.S.A., 2008.

· WORLDCOMP Conference on Data Mining, Las Vegas, U.S.A., 2008.

· Conference on Software Engineering Education and Training, Charleston, U.S.A., 2008.

· Global Information Technology Management Association, Atlanta, U.S.A., 2008.

· Conference on Secure System Integration and Reliability Improvement, Yokohama, Japan, 2008.

· Multi-conference on Computer Science and Information Technology, Wisla, Poland, 2007.

· Joint Conferences on Computer, Information and System Sciences and Engineering, Bridgeport, U.S.A., 2007.

· Conference on Information Technology, Rourkella, India, 2007.

- International Conference on Intelligent System Design and Applications, Rio-de-Janeiro, Brazil, 2007.
- 33rd Multimedia and Telecommunications: New Applications and Networks Conference, Germany, 2007.
- Reviewer for the WORLDCOMP conference in frontiers in Computer Science and Computer Education, U.S.A., 2007.
- 9th International Workshop on Computer Science and Information Technologies, Russia, 2007.
- International program committee member of Computer Science and IT education Conference, Mauritius, 2007.
- 3rd International Conference on Computing and ICT Research, Kampala, Uganda, 2007.
- IASTED Asia Conference on Modeling and Simulation, China, 2007.
- 2nd International Conference on Internet Technologies and Applications, Wales, U.K., 2007.
- International technical advisory program committee on Modeling and Simulation, Coimbatore, India, 2007.
- International Conference of Engineers and Computer Scientists, China, 2007.
- Information Technologies in Environmental Engineering Conference, Germany, 2007.
- International program committee member and track chair of the 4th International Conference on Information Technology New Generation, Las Vegas, U.S.A., 2007.
- Conference on Modeling and Simulation, Montreal, Canada, 2007.
- Conference on Scientific Computing, Las Vegas, U.S.A., 2007.
- Conference on Software Engineering Research and Practice, Las Vegas, U.S.A., 2007.
- Conference on Modeling, Simulation and Visualization Methods, Las Vegas, U.S.A., 2007.
- Conference on Enterprise Information Systems, Portugal, 2007.
- Conference on Data Mining, Las Vegas, U.S.A., 2007.
- Conference of Computer Science and Engineering, London, 2007.
- Conference on Data mining and Knowledge Engineering, London, 2007.
- Conference on Computational Intelligence and Intelligent Systems, London, 2007.
- Conference on Modeling and Simulation, Algeria, 2007.
- International Program Committee 11th Pacific Asia Conference on Information Systems, Auckland, New Zealand, 2007.
- Conference on Software Engineering theory and Practice, U.S.A, 2007.
- Conference on Graphical Models and Imaging, Zurich, Switzerland, 2007.

- 8th Conference on Software Engineering, Artificial Intelligence, Networking , and Parallel /Distributed Computing, China, 2007.
- 20th Conference on Software Engineering Education and Training, Dublin, Ireland, 2007.
- 4th Conference on Software Engineering Research, Management and Applications, Busan, Korea, 2007.
- 20th Conference on Intelligent Systems Design and Applications, Brazil, 2007.
- 22nd International Conference on Computers and their Applications, Hawaii, U.S.A., 2007.
- 1st Conference on Digital Communications and Computer Applications, Irbid, Jordan, 2007.
- 8th Annual Global Information Technology Management Association World Conference, Naples, Italy, 2007.
- 4th Conference on Science of Electronics, Technologies of Information and Telecommunications, Hammamet, Tunisia, 2007.
- 4th Conference on Information Technology: New Generations, Las Vegas, U.S.A., 2007.
- 3rd IASTED Conference on Advances in Computer Science and Technology, Pukhet, Thailand, 2007.
- IEEE/WIC/ACM Conference on Web Intelligence, Hong Kong, China, 2006.
- Conference on Computers, Information and Systems Sciences and Engineering, Bridgeport, U.S.A., 2006.
- IEEE International Conference on Computing and Informatics, Kuala Lumpur, Malaysia, 2006.
- Track chair, IT in North America at the 7th Annual Global Information Technology Management Association World Conference, Orlando, U.S.A., 2006.
- International Conference on Computer Supported Cooperative Work in Design, China, 2006.
- Session chair and to invite persons in the field at the 3rd International Conference on Neural, Parallel and Scientific Computation, Atlanta, U.S.A., 2006.
- International Conference on Software Engineering Education and Training, Oahu, U.S.A., 2006.
- International Conference on Modeling and Simulation, Kuala Lampur, Malaysia, 2006.
- International Conference on Software Engineering Research, Management and Applications, Seattle, U.S.A., 2006.
- International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing, Las Vegas, U.S.A., 2006.
- International Multi-conference in Computer science and Information Technology, Amman, Jordan, 2006.

- · International Conference on Geometric Modeling and Imaging, London, England, 2006.
- · International Conference on Software Engineering Research, Management and Applications, Seattle, U.S.A., 2006.
- · International Conference on Neural, Parallel and Scientific Computations, Atlanta, U.S.A., 2006.
- · International Conference on Software Engineering and Applications, Dallas, U.S.A., 2006; Duties: review papers, organize sessions and arrange tracks.
- · International Conference on Computer Applications in Industry and Engineering, Las Vegas, U.S.A., 2006.
- · Conference on Information and Automation, Colombo, Sri Lanka, 2006.
- · International Conference on Web Intelligence, Hong Kong, China, 2006.
- · International Conference of Engineers and Computer Scientists, Hong Kong, China, 2006.
- · International Conference on Social and Organizational Informatics and Cybernetics, Orlando, U.S.A., 2006.
- · International Conference on Software Engineering Education and Training, Ottawa, 2005.
- · International Conference on Modeling and Simulation, Morocco, 2005.
- · International Conference on Software Engineering Research, Management and Applications, Mount Pleasant, U.S.A., 2005.
- · Conference on Geometric Modeling, Visualization and Graphics, Salt Lake City, U.S.A., 2005.
- · Conference on Software Engineering Research and Practice, Las Vegas, U.S.A., 2005.

⋄ Service on Professional and Learned Society Committees

- · Expert Reviewer for Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grant, Ottawa, Canada, 2014.
- · Reviewer for Springer Journal of Neural Computing and Applications, 2014.
- · Reviewer for Central European Journal of Computer Science, 2014.
- · Reviewer for Academic Journal Advances in Natural Science,2014
- · Editorial board member of the International Journal of Cloud-Computing and Super-Computing, 2013.
- · Editorial board member, Journal on Cloud Computing and Super Computing (International Journal of Cloud-Computing and Super-Computing (IJCS), 2013.
- · Editorial board member, International Journal of Computer Science Issues, Mauritius, 2013.
- · Editorial board member, International Journal on Advances in Intelligent Systems, Germany, 2012.
- · International Journal of Electrical, Electronics and Computer Systems, Princeton, USA, 2011.

- Central European Journal of Computer Science, Poland, Springer, Germany, 2011.
- International Journal of Computer Applications, Foundation of Computer Science, New York, USA, 2010.
- International Journal of Computer Applications, Foundation of Computer Science, New York, USA, 2010.
- International Journal for Advances in Computer Science (IJACS), USA, 2010.
- Expert Reviewer, NSERC Discovery Grant, Ottawa, 2010.
- Reviewer, NSERC Discovery Grant, Canada, 2007-08.
- Member, Association of Computing Machinery Professional, U.S.A.
- Fellow, Institute of Mathematics and its Applications, U.K..
- Life Member, Indian Society of Technical Education, India.
- Life Member, Indian Mathematical Society, India.
- Vice President, Association of Modelling and Simulation Enterprises, France.
- Guest Editor, Journal of Applied Science and Computation, Eastern Illinois University, U.S.A.
- Editorial Board Member, International Journal of Information and Computing Science, Calcutta, India.
- Executive Editorial Board Member, American Journal of Applied Science, U.S.A.
- Project Member, Information Technology Journal, U.S.A.
- Review Board Member, Malaysian Journal of Advancing Information and Management Studies, Malaysia.
- Associated Editor, Journal of Research Practice, India.
- Reviewer, NSERC Discovery Grant, Canada, 2004-05.

◇ Service as International Conference Reviewer

- IEEE Technically Co-Sponsored SAI Computing Conference, Reviewed: 5 papers, 2016.
- SAI Intelligent Systems Conference, Reviewed: 3 papers, 2016.
- Central European Journal of Computer Science, Reviewed: 1 papers, 2016.
- International Journal of Computational Science and Engineering (IJCSE), Reviewed: 1 paper, 2016.
- The International Multi Conference of Engineers and Computer Scientists (IMECS2016), Reviewed: 1 paper, 2016.
- International Conference on Advanced Cognitive Technologies and Applications (COGNITIVE 2016), Reviewed: 1 paper, 2016.
- The International Journal of Artificial Intelligence, Neural Networks, and Complex Problem-Solving Technologies, Reviewed: 1 paper, 2016.
- International Journal on Advances in Intelligent Systems, Reviewed: 1 paper, 2015.

- Global Science and Technology Forum Singapore, Reviewed: 1 paper, 2015.
- International Conference on, Education, Training and Informatics, Reviewed: 2 papers, 2015.
- International Journal on Advances in Intelligent Systems, Reviewed: 2 papers, 2015.
- International Conference on Operational Research and Enterprise Systems, Reviewed: 3 papers, 2015.
- Springer Journals of Supercomputing, Reviewed: 1 paper, 2015.
- Zentralblatt MATH, Reviewed: 1 paper, 2015.
- Journal of Computer Science:, Reviewed: 1 paper, 2015.
- International conference on Intelligent Information Processing, Security and Advanced Communication (IPAC2015), Reviewed: 2 papers, 2015.
- International Conference on Society and Information Technologies, Reviewed: 1 paper, 2015.
- ICAS North America conference, Reviewed: 1 paper, 2015.
- International Journal of Software Engineering and Computer Systems, Reviewed: 1 paper, 2015.
- International Conference on Society and Information Technologies, Reviewed: 2 papers, 2015.
- Canadian Journal of Electrical and Computer Engineering, Reviewed: 1 paper, 2015.
- IEEE Canadian Journal of Electrical and Computer Engineering, Reviewed: 1 paper, 2015.
- International Conference on Digital Information Management, Reviewed: 3 papers, 2014.
- Journal of Applied Mathematics and Information Science, Reviewed: 1 paper, 2014.
- Central European Journal of Computer Science-2, Reviewed: 2 papers, 2014.
- International Journal of Applied Management Science, Reviewed: 1 paper, 2014.
- International Conference on Education, Training and Informatics, reviewed: 3papers, 2014.
- International Conference on Society and Information Technologies, Reviewed: 3 papers, 2014.
- Conference on Internet Technologies and Society, Reviewed: 2 papers, 2014.
- Journal of Intelligent and Fuzzy Systems, Reviewed: 1 paper, 2013.
- International Conference on Operations Research and Enterprise Systems, Reviewed: 3 papers, 2013.
- Computing and Informatics, Institute of Informatics, Slovak Academy of Sciences, Reviewed: 2 papers, 2013.
- Internet Technologies and Society Conference, Reviewed: 3 papers, 2013.

Prabhat Kumar Mahanti

- International Conference on, Society and Information Technologies, Reviewed: 1 paper, 2013.
- International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, Reviewed: 2 papers, 2013.
- Journal of Neural Computing and Applications, Reviewed: 1 paper, 2013.
- International Multi-Conference for Society, Cybernetics and Informatics, Reviewed: 2 papers, 2013.
- Springer Journal of Neural Computing and Applications, Reviewed: 1 paper, 2013.
- Elsevier Journal of Measurement, Reviewed: 1 paper, 2013.
- Journal of universal Computer Science, Reviewed: 1 paper, 2013.
- Central European Journal of Computer Science, Reviewed: 2 papers, 2013.
- Conference on Intelligent Systems and Agents, Reviewed: 2 papers, 2013.
- Journal of Intelligent and Fuzzy Systems, Reviewed: 1 paper, 2013.
- International Conference on Operations Research and Enterprise Systems, Reviewed: 3 papers, 2013.
- Computing and Informatics, Institute of Informatics, Slovak Academy of Sciences, Reviewed: 2 papers, 2013.
- Internet Technologies and Society, Reviewed: 3 papers, 2013.
- International Conference on the Education, Training and Informatics, Reviewed: 3 papers, 2013.
- International Conference on Modeling, Identification and Control, Reviewed: 4 papers, 2013.
- Science and Information Conference, Reviewed: 2 papers, 2013.
- Science and Information Conference, Reviewed: 4 papers, 2013.
- IASTED, Reviewed: 3 papers, 2013.
- Advances in Computer Science, Reviewed: 5 papers, 2013.
- IMSCI 2013 Conference, Reviewed: 2 papers, 2013.
- International Multi-conference on Society, Cybernetics and Informatics, Reviewed: 1 paper, 2013.
- Education and Information Systems Technologies and Applications, Reviewed: 2 papers, 2013.
- SOIC Conference, Reviewed: 1 paper, 2013.
- IADIS Intelligent Systems and Agents, Reviewed: 2 papers, 2013.
- ATA ANALYTICS, Reviewed: 1 paper, 2013.
- Cybernetics and Information Technologies, Systems and Applications, Reviewed: 1 paper, 2013.
- Journal of Universal Computer Science, Reviewed: 1 paper, 2013
- IAENG International Conference on Computer Science; Reviewed: 1 paper, 2013.

· International Conference on Advanced Computer Science Applications and Technologies; Reviewed: 5 papers, 2012.

· International Conference on Agents and Artificial Intelligence; Reviewed: 2 papers, 2012.

· International Conference on Autonomic and Autonomous Systems; Reviewed: 1 paper, 2012.

· International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems; Reviewed: 2 papers, 2012.

· Journal of Supercomputing; Reviewed: 1 paper, 2012.

· International Journal of Next Generation Information Technology; Reviewed: 1 paper, 2012.

· International Multi-Conference on Society, Cybernetics and Informatics, Reviewed: 2 papers, 2012.

· International Multi-Conference on Society, Cybernetics and Informatics, Reviewed: 1 paper, 2012.

· Journal of universal Computer Science, Reviewed: 2 papers, 2011.

· Journal Computing and Informatics Institute of Informatics Slovak Academy of Sciences, Reviewed: 2 papers, 2011.

· Conference on Intelligent Robotics, Automations, Telecommunication Facilities, and Applications, Reviewed: 1 paper, 2011.

· Journal of Universal Computer Science, Reviewed: 1 paper, 2011.

· The International Journal of Computing and ICT, Reviewed: 1 paper, 2011.

· Institute of Informatics, Slovak Academy of Sciences,Reviewed: 2 papers, 2011.

· International Conference on Modeling, Simulation, and Identification, Reviewed: 4 papers, 2011.

· International Conference on Agents and Artificial Intelligence, Reviewed: 2 papers, 2011.

· International Conference on Operations Research and Enterprise Systems, Reviewed: 3 papers, 2011.

· J. Advances in Information Sciences and Service Sciences, Reviewed: 1 paper, 2011

· IADIS Conference on Internet Technologies and Society, Reviewed: 6 papers, 2011

· International Journal of Computer Applications, Reviewed: 1 paper, 2011.

· International Conference on Education, Training and Informatics, Reviewed: 2 papers, 2011.

· International Program Committee for AsiaMIC, Reviewed: 4 papers, 2011.

· IEEE Symposium on Computers and Informatics, Reviewed: 1 paper, 2011.

· IASTED International Conference on Human-Computer Interaction, Reviewed: 2 papers, 2011.

- International Conference on Computer and Information Science, Reviewed: 6 papers, 2011.
- Conference on Software Engineering Education and Training, Reviewed: 2 papers, 2011.
- Conference Informing Science and IT Education, Reviewed: 3 papers, 2011.
- International conference on Innovative Computing Technology, Reviewed: 2 papers, 2011.
- International Symposium on Modeling and Simulation, Reviewed: 4 papers, 2011.
- International Multi-Conference on Computing in the Global Information Technology, Reviewed: 1 paper, 2011.
- IADIS European Conference on Data Mining, Reviewed: 3 papers, 2011.
- International Conference on Society and Information Technologies, Reviewed: 2 papers, 2010.
- International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, Reviewed: 2 papers, 2010.
- International Conference on Society and Information Technologies, Reviewed: 3 papers, 2010.
- Journal Computing and Informatics, Reviewed: 2 paper, 2010.
- Journal of Computing and Information Technology, Reviewed: 1 paper, 2010.
- International Conference and Industrial, Engineering and other Applications, Reviewed: 5 papers, 2010.
- International Journal of Metaheuristics, Reviewed: 1 paper, 2010.
- International Conference on Social and Organizational Informatics and Cybernetics, 2009.
- Conference on Applied Simulation and Modeling, Reviewed: 4 papers, 2009
- Conference on IMSCI, Reviewed: 2 papers, 2009.
- IADIS Intelligent Systems and Agents, Reviewed: 2 papers, 2009.
- WORLDCOMP 2009, Reviewed: 2 papers, 2009.
- International Journal of Computing Research and ICT Research, Reviewed: 2 papers, 2009.
- ICSTC2009 Conference, Reviewed: 1 paper, 2009.
- International Conference on Data Mining, Reviewed: 3 papers, 2009.
- EOMAS-2009 Conference, Reviewed: 2 papers, 2009.
- World Academy of Science, Engineering and Technology, Reviewed: 1 paper, 2009.
- Conference on Applied Simulation and Modeling, Reviewed: 4 papers, 2009.
- Conference on IMSCI, Reviewed: 2 papers, 2009.
- IADIS Intelligent Systems and Agents, Reviewed: 2 papers, 2009.

- WORLDCOMP2009, Reviewed: 2 paper, 2009.
- International Journal of Computing Research and ICT Research, Reviewed: 1 paper, 2009.
- ICSTC2009 Conference, U.S.A., Reviewed: 1 paper, 2009.
- International Conference on Data Mining, Reviewed: 3 papers, 2009.
- EOMAS-2009 conference, Reviewed: 2 papers, 2009.
- World Academy of Science, Engineering and Technology, Reviewed: 1 paper, 2009.
- IADIS Intelligence Systems and Agents, Reviewed: 2 papers, 2008.
- JGITM in South America Journal, Reviewed: 2 paper, 2008.
- JCP Academy Publisher, Reviewed: 1 paper, 2008.
- ISCA PDCCS Conference, Reviewed: 6 papers, 2008.
- Journal of Information technology education, Reviewed: 1 paper, 2008.
- Conference on Intelligent Systems and Automation, Reviewed: 2 papers, 2008.
- Scientific Journals International, Reviewed: 3 papers, 2008.
- Scientific Journals International, Reviewed: 3 papers, 2008.
- Slovak Academy of Science, Reviewed: 1 paper, 2008.
- Scientific Journals International, Reviewed: 3 papers, 2008.
- Computer Science and Information System, Reviewed: 3 papers, 2008.
- Journal of Computer Science, Institute of Informatics, Slovak Academy of Sciences, Reviewed: 1 paper, 2008.
- Conference on Intelligent Systems and Automation, Reviewed: 1 paper, 2008.
- International Multi-conference of Engineers and Computer Scientists, Reviewed: 1 paper, 2008.
- International Conference on Sciences of Electronics, Technologies of Information and Telecommunications, Reviewed: 4 papers, 2008.
- IASTED Conferences on Computer Science and Engineering, Reviewed: 3 papers, 2008.
- International Conference on Asia Pacific Knowledge Discovery and Data Mining, Reviewed: 3 papers, 2008.
- World Research Institute, Reviewed: 3 papers, 2008.
- Journal of Information Technology, Reviewed: 3 papers, 2008.
- International Conference on Software Engineering Education and Training, Reviewed: 4 papers, 2008.
- Communication of the ACM; Reviewed: 1 paper, 2008.
- Computer Science Journal of Moldova; Reviewed: 1 paper, 2008.
- IASTED International Conference on Applied Simulation and Modeling; Reviewed: 2 papers, 2008.

- International Conference on Data Mining; Reviewed: 6 papers, 2008.
- IADIS European conference on Data mining; Reviewed: 5 papers, 2008.
- International Workshop on Enterprise Organizational Modeling and Simulation; Reviewed: 2 papers, 2008.
- IEEE International Conference on Secure System Integration and Reliability Improvement; Reviewed: 5 papers, 2008.
- International Conference on Software Engineering, Artificial Engineering, Networking and Parallel/Distributed Computing; Reviewed: 9 papers, 2008.
- International Multi-conference of Engineers and Computer Scientists; Reviewed: 2 papers, 2008.
- Scientific Journals International; Reviewed: 2 papers, 2008.
- International Journal of Computing and ICT Research; Reviewed: 1 paper, 2008.
- WORLDCOM Conference; Reviewed: 2 papers, 2008.
- International World Congress on Engineering and Computer Science; Reviewed: 1 paper, 2008.
- International Multi-conference of Engineers and Computer scientists; Reviewed: 2 papers, 2008.
- Mediterranean Conference on Intelligent Systems and Automation; Reviewed: 4 papers, 2008.
- International Conference on Social and Organizational Informatics and Cybernetics; Reviewed: 3 papers, 2008.
- International Conference on Computers and their Applications; Reviewed: 5 papers, 2008.
- International Journal of Computing and ICT Research; Reviewed: 1 paper, 2008.
- Journal of Computing and Information Technology; Reviewed: 2 paper, 2008.
- International Conference on Computer Applications in Industry and Applications; Reviewed: 4 papers, 2008.
- International Conference on Software Engineering Education and Training; Reviewed: 3 papers, 2008.
- International Multi-conference of Engineers and Computer Scientists; Reviewed: 1 paper, 2008.
- International Conference on Advances in Computer science and Technology; Reviewed: 1 paper, 2008.
- International Conference on Computers and Information Science; Reviewed: 5 papers, 2008.
- International Journal of Mathematical and Computer Modeling; Reviewed: 1 paper, 2008.
- Journal of Computing and Informatics, Reviewed: 1 paper, 2008.

· International Conference on Future Generation Communication and Networking; Reviewed: 7 papers, 2007.

· Scientific Journals International; Reviewed: 5 papers, 2007.

· International IASTED Conference on Software Engineering; Reviewed: 4 papers, 2007.

· Journal of Universal Computer Science; Reviewed: 6 papers, 2007.

· Journal of Computers; Reviewed: 1 paper, 2007.

· International Conference on Artificial Intelligence and Applications; Reviewed: 2 papers, 2007.

· International Conference on Data Mining; Reviewer: 5 papers, 2007.

· International World Multi-Conference on Systemics, Cybernetics and Informatics; Reviewed: 1 paper, 2007.

· International Conference on Software Engineering Theory and Practice; Reviewed: 2 papers, 2007.

· International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing; Reviewed: 7 papers, 2007.

· International WORLDCOMP Conference on Software Engineering Research and Practice; Reviewed: 4 papers, 2007.

· International Journal of Supercomputing; Reviewed: 1 paper, 2007.

· International Association of Science and Technology for Development; Reviewed: 3 papers, 2007.

· International Conference of Science of Electronics, Technologies of Information and Telecommunications; Reviewed: 1 papers, 2007.

· Journal of Universal Computer Science, Reviewed: 1 paper, 2007.

· International Journal of Information Technology Education, Reviewed: 1 paper, 2007.

· International Conference on Social and Organizational Informatics and Cybernetics; Reviewed: 4 papers, 2007.

· Euromicro Conference Multimedia and Telecommunications; Reviewed: 2 Papers, 2007.

· International Association of Science and Technology for Development; Reviewed: 5 papers, 2007.

· Scientific Journals International; Reviewed: 5 papers, 2007.

· International Scientific Journal of Computing; Reviewed: 3 papers, 2007.

· International Conference on Software Engineering Research, Management and Applications; Reviewed: 5 papers, 2007.

· International Conference on Computer Science and Information Technology Education; Reviewed: 1 paper, 2007.

· International Conference on Computer Applications in Industry and Engineering, Las Vegas, U.S.A.; Reviewed: 4 papers, 2006.

· International Conference on Software Engineering and Applications, Dallas, U.S.A.; Reviewed: 4 papers, 2006.

· International Journal of Information technology and Decision Making; Reviewed: 1 paper, 2006.

· Journal of Universal Computer Science; Reviewed: 3 papers, 2006.

· Journal of Computing and Informatics; Reviewed: 1 paper, 2006.

· Scientific Journals International; Reviewed: 2 papers, 2006.

· International Conference on Computer Supported Cooperative Work in Design, Australia; Reviewed:5 papers, 2006.

· International Conference on advances in Computer science and Technology, Calgary; Reviewed: 6 papers, 2006.

· International Scientific Journal of Computing, Ukraine; Reviewed: 1 paper, 2006.

· International Conference on Information Technology New Generation; Reviewed: 5 papers, 2006.

· International Conference on computers and their Applications, Honolulu, Hawaii, U.S.A.; Reviewed: 7 papers, 2006.

· International Conference on Information Technologies in Environmental Engineering, Oldenburg, Germany; Reviewed: 2 papers, 2006.

· International Conference of Science of Electronics, Technologies of Information and Telecommunications, Tunisia; Reviewed: 2 papers, 2006.

· IEEE/WIC/ACM Conference on Web Intelligence, Hong Kong, China; Reviewed: 6 papers, 2006.

· International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/distributed Computing, Las Vegas, U.S.A.; Reviewed: 5 papers, 2006.

· International Conference in Artificial Intelligent and Soft Computing, Spain; Reviewed: 1 paper, 2006.

· International Conference on Social and Organizational Informatics and Cybernetics, Orlando, U.S.A.; Reviewed: 3 papers, 2006.

· Applied Soft Computing, The Official Journal of the world Federation of Soft Computing, Elsevier Science Publisher; Reviewed: 2 papers, 2006.

· International Conference on Software Engineering Research, Management and Applications, Seattle, U.S.A.; Reviewed: 4 papers, 2006.

· International Conference on Computer Supported Co-operative Work in Design, China; Reviewed: 5 papers, 2006.

· Journal of Information Technology and Decision Making, U.K.; Reviewed 1 paper, 2006.

· IEEE Software, U.S.A.; Reviewed: 1 paper, 2006.

· Journal of Non-linear Sciences and Numerical Simulation, Israel; reviewed: 1 paper, 2006.

· International Conference on Software Engineering Education and Training, Hawaii, U.S.A.; Reviewed: 3 papers, 2005.

- · International Conference of Information Resources Management, Washington, D.C., U.S.A.; Reviewed: 1 paper, 2005.
- · International Scientific Journal of Computing, Institute of Computer Information Technology, Ukraine; Reviewed: 2 papers, 2005.
- · International Conference on Information Acquisition, Hong Kong, China; Reviewed: 1 paper, 2005.
- · International Conference on Advanced Computer Science and Technology, U.S.A.; Reviewed: 3 papers, 2005.
- · International Conference on Geometric Modeling, Visualization and Graphics, U.S.A.; Reviewed: 1 paper, 2005.
- · International Conference on Software Engineering, Research and Applications, U.S.A.; Reviewed: 1 paper, 2005.
- · International Conference on Applied Simulation and Modeling, U.S.A.; Reviewed: 3 papers, 2005.
- · International Conference on Software Engineering, Russia; Reviewed: 1 paper, 2005.

◇ Service as International Journal Board Member

- · Editorial Board Member of the International Journal of Intelligent Systems and Applications (IJISA), Modern Education and Computer Science Press (MECS).
- · Editorial Board Member of BOAJ Bioinformatics.
- · Editorial Board Member of the International Journal of Big Data Intelligence.
- · Editorial Board of International Journal of Computer Networks and Communications Security.
- · Editorial Board Member of International Journal of Computers and Applications, ACTA Press.
- · Editorial Board of GSTF Journal of Mathematics, Statistics and Operations Research.
- · Editorial Board Member of International Journal of Software Engineering Research.
- · Editorial Board Member of Advances in Information Sciences and Service Sciences.
- · Editorial Board Member of International Journal of Cloud Computing.
- · Editorial Board Member of Journal of Next Generation Information Technology.
- · Editorial Board Member of Advances in Information Sciences and Service Sciences.
- · Editorial Board Member of International Journal of Advanced Computer Science and Applications.
- · Editorial Board Member of International Journal of Computer Science and Information Technology Applications.

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- Editorial Board Member of International Journal of Computer Science Issues.
- Editorial Board Member of Journal on Mathematics, Statistics and Operations Research.
- Editorial Board Member of the International Journal On Advances in Intelligent Systems.
- Reviewer Board Member of International Journal of Computer Applications.
- Member of the advisory board of SPJ Centre for Multi-disciplinary Research.
- Scientific Co-coordinator Africa and America World Academy of Science, Engineering and Technology.
- Editorial Board Member, International Journal of Real-time Systems.
- Editor-in-Chief, Journal of Computers.
- Editorial Advisory Board Member for Evolutionary Computation and Optimized Algorithms in Software Engineering book to be published by IGI Global.
- Editorial Board Member of International Journal of Communication Networks and Distributed Systems.
- Associate Editor of IAENG International Journal of Computer Science.
- Editorial Board Member of Advances in Management.
- Editorial Board Member of the Journal of Computers.
- Editorial Board Member of the International Journal of Computers and Applications.
- Editorial Board Member of the International European Journal of Scientific Research.
- Associate Editor of Journal of Theoretical and Applied Information Technology.
- Editorial Advisory Board of the Scientific Journals International.
- Editorial Board Member of Hindawi Publishing Corporation.
- Editorial Board Member of INFOCOMP Journal.
- Editorial Board Member of ComSIS Journal.
- Editorial Board Member of Journal of Computers.
- Editorial Board Member of Journal of Computers and Informatics.
- International Board of Reviewers for the Journal of Information Technology.
- Editorial Board Member of the Asian Network for Scientific Information.
- Editorial Board Member for the Handbook of Research on Information Security and Assurance.
- Reviewer for the Journal of Information, Information Technology, and Organizations.
- Reviewer for the Journal of Information Technology Education.

- Editorial Board Member of the Computing and Informatics Journal.
- Editorial Board Member of Asian Journal of Information Technology.
- Editorial Board Member of International Journal of Soft Computing.
- Editorial Board Member of International Journal of Computer Science.
- Editorial Board Member of International Journal of Computational Intelligence.
- Editorial Board Member of the International Journal of Soft Computing Applications, 2007.
- Editorial Board Member of the Journal of Information Technology.
- Editorial Board Member of Journal of Computers and Informatics Slovak Academy of Sciences.
- Editorial Committee Member, Indian Journal of Management Technology.
- Editorial Board Member, Journal of Universal Computer Science.
- Associate Editor of International Journal of Research Practice.
- Board of Reviewers for the Journal of Advancing Information and Management Studies; Duties: review articles, organize journal volumes and assist chief editors.
- Reviewer for the Applied Soft Computing Journal; Duties: review of articles and advise the chief editor.
- Team reviewer for editorial work of the Computing and Informatics Journal; Duties: review articles and suggest the editor.
- Editorial board member of the International Journal on Computer science and Information Systems.
- Editor-in-chief of the International Journal of Theoretical and Applied Computer Sciences.
- Member of the International Association of Engineers.

PROFESSIONAL ⋄ Reviewer and Expert Member
SERVICE
- Reviewer Journal of Supercomputing (SUPE).
- Reviewer, Springer Journal of Neural Computing and Applications.
- Reviewer International Journal of Intelligent Systems and Applications (IJISA), Modern Education and Computer Science Press.
- Reviewer, Journal of Computing and Informatics.
- Reviewer, Open Computer Science.
- Reviewer, Applied intelligence Journal, Springer.
- Reviewer, Springer Journal of Neural Computing and Applications.
- Reviewer, Central European Journal of Computer Science.
- Reviewer, Academic Journal Advances in Natural Science.
- Reviewer, Zentralbatt für Mathematik, Germany.
- Reviewer, American Mathematical Society, U.S.A.

- · Reviewer, The Institute of Electrical and Electronics Engineers, Computer Graphics and its Applications, U.S.A.
- · Reviewer, International Journal of Information and Computing Science, India.
- · Reviewer, Journal of Modelling and Simulation Analysis, France.
- · Expert Member, Union Public Service Commission, Government of India, India.
- · Expert Member, Ministry of Human Resource Development, Government of India, India.
- · Expert Member, University Grants Commission, India.

◇ Service to Other Universities

- · External Reviewer for Accreditation, Laurentian University, Sudbury, Computer Science Department, 2015.
- · External Promotion Review Expert Member, University of Botswana, South Africa, 2015.
- · External Project Reviewer of ASCEND Grant for Biomedical Research, Morgan State University, USA, 2015.
- · Reviewer for Promotion Assessment, Philadelphia University, Amman, Jordan, 2013.
- · Adjunct Professor, Centurion University of Technology and Management, Orissa, India, July 2011.
- · Appointed as External Expert for the Promotion Exercise of Faculty members at the University of Jordan, Amman, Jordan, 2009.
- · Reviewer for Promotion Assessment, Philadelphia University, Jordan, 2008.
- · Reviewer for Promotion Assessment, King Saud University, Saudi Arabia, 2008.
- · Reviewer for Tenure Assessment, School of Computing, University of North Florida, U.S.A, 2008.
- · Adjunct Professor, Ansal Institute of Technology, New Delhi, India.
- · Reviewing committee member for graduate program in computer science, Department of Mathematics and Computer Science, Laurentian University, Canada.
- · Consulting professor in the Department of Computer Science and IT at Jagannath Institute for Technology and Management, Biju Patanaik University, India; Duties: assist in curriculum development, assist in faculty recruitment, development and training.