

DEO PRAKASH VIDYARTHI

Professor

School of Computer & Systems Sciences,

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PhD in Computer Science

TEACHING EXPERIENCE

PG Twenty Two Years **UG** Thirteen Years

RESEARCH EXPERIENCE

Twenty Years

COURSES TAUGHT

<i>Undergraduate</i>	Operating System Concepts, Computer Organization & Architecture, Programming Languages, Discrete Mathematics
<i>Postgraduate</i>	Parallel & Distributed Systems, Algorithm Design, Advanced Computer Architecture, Compiler Design, Graph Theory & Applications

FIELD OF RESEARCH INTEREST

Parallel & Distributed Systems, Grid Computing, Mobile Computing, Cloud Computing, Evolutionary Computing

MEMBER (SERVED) IN EDITORIAL BOARD

1. International Journal of Computer Science and Technology (ISSN 0973-3019) from Researchways Intellectual Forum
2. Research Journal Telecommunication and Information Technology (ISSN 1816-2738) from INSInet Publications
3. Australian Journal of Basic and Applied Sciences (ISSN 1991-8178) INSInet publication
4. International Journal of Computer and Electrical Engineering ISSN: 1793-8198 (Online Version); 1793-8163 (Print Version), Published by: International Association of Computer Science and Information Technology Press (IACSIT)
5. International Journal of Computer Theory and Engineering, SSN: 1793-821X (Online Version); 1793-8201 (Print Version), Published by: International Association of Computer Science and Information Technology Press (IACSIT)
6. International J. of Business Data Communication and Networks, IGI-Global, USA (ISSN: 1548-0631, EISSN: 1548-064X)
7. Information Engineering Letters, USA, ISSN: 2160-4114

MEMBER IN INTERNATIONAL PROGRAM COMMITTEE

1. National Conference on Methods and Models in Computing, Dec. 18-19, 2006, Jawaharlal Nehru University, New Delhi.
2. National Conference on Methods and Models in Computing, Dec. 13-14, 2007, Jawaharlal Nehru University, New Delhi.
3. National Conference on Methods and Models in Computing, Dec. 7-8, 2008, Jawaharlal Nehru University, New Delhi.
4. International Conference on Methods and Models in Computer Science, Dec. 14-15, 2009, Jawaharlal Nehru University, New Delhi.
5. International Congress on Pervasive Computing and Management, Dec. 12-14, 2008, India Habitat Centre, Lodhi Road, New Delhi.
6. 2nd International Congress on Pervasive Computing and Management, Dec. 12-14, 2009, Sydney, Australia.
7. International Conference on High Performance Computing, Network and Communication Systems, July, 7-10, 2008, Orlando, USA.
8. International Conference on High Performance Computing, Network and Communication Systems, July, 11-14, 2009 Orlando, USA.
9. 24th International Symposium on Computer and Information Sciences, Sep. 14-16, 2009, Northern Cyprus Campus.
10. Workshop on Information System in Distributed Environment Held in conjunction with OTM'09, Nov 1-6, 2009, Vilamoura, Algarve-Portugal
11. International Congress on Pervasive Computing and Management, Dec. 12-14, 2008, December 10-12, 2009, Sydney, Australia.
12. International Conference on High Performance Computing Systems, July, 12-14, 2010 Orlando, USA.
13. 2nd International Workshop on Information Systems in Distributed Environment (ISDE'10) 25-29 October 2010 Crete, Greece
14. 2nd International Conference on Methods and Models in Computer Science, Dec. 13-14, 2009, Jawaharlal Nehru University, New Delhi.
15. IEEE International Conference INDICON 2010, Kolkata, Dec. 17-19.
16. International Conference on Communication Computing & Security, Rourkela, Feb. 12-14, 2011
17. Australasian Telecommunication Networks And Applications Conference (ATNAC 011) 9-11 NOVEMBER 2011, Melbourne, Australia
18. 3rd International Workshop on Information Systems in Distributed Environment (ISDE'11) Crete, Greece, Oct 17-21, 2011
19. Fourth International Workshop on Information Systems in Distributed Environment (ISDE'13), Graz, Austria

MEMBER IN INTERNATIONAL SOCIETY

1. IEEE
2. International Society of Research in Science and Technology (ISRST), USA
3. International Association of Computer Science and Information Technology (IACSIT), Singapore (Senior)
4. International Association of Engineers (IAENG)

CONFERENCE/SEMINAR/COURSES ORGANIZED

1. National Seminar on Intelligent Computing and Software Engineering, IT, Banaras Hindu University, Varanasi, INDIA, 25-26 March 2000.
2. National Seminar on Methods and Models in Computing, December 18-19, 2006, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.

3. National Seminar on Methods and Models in Computing, December 13-14, 2007, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
4. National Seminar on Methods and Models in Computing, December 7-8, 2008, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
5. International Conference on Methods and Models in Computer Science, Dec. 14-15, 2009, Jawaharlal Nehru University, New Delhi.
6. 2nd International Conference on Methods and Models in Computer Science, Dec. 13-14, 2010, Jawaharlal Nehru University, New Delhi.
7. 14th Refresher Course in Computer Science & Information Technology, Academic Staff College, Jawaharlal Nehru University, New Delhi, 27th August-23rd September, 2011 (Course Coordinator).

ATTENDANCE AT INTERNATIONAL/ NATIONAL CONFERENCES

1. International Conference on Cognitive Systems, 12-15 Dec. 1997, New Delhi, INDIA.
2. International Symposium on Methods and Models in Automation and Robotics, 25-29 Aug. 1998, Szczecin, POLAND.
3. National Symposium on Recent Trends in Information Technology, PSG College of Technology, Coimbatore, INDIA, 20-21 Feb. 1997.
4. National Symposium on Emerging Trends in Electronics and Computer Science, Dr. RML Avadh University, Faizabad, INDIA, 10-11 March 1999.
5. SASESC-2000, DayalBagh Educational Institute, Agra, INDIA, 5-6 March 2000.
6. National Seminar on Intelligent Computing and Software Engineering, IT, Banaras Hindu University, Varanasi, INDIA, 25-26 March 2000.
7. National Seminar on Methods and Models in Computing, December 18-19, 2006, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
8. National Seminar on Methods and Models in Computing, December 13-14, 2007, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
9. International Conference on High Performance Computing, Networking, and Communication Systems (HPCNCS-08) to be held from 07-10, July, 2008 at Orlando, Florida, USA.
10. 2nd Int. Conference on Information and Multimedia Technology (ICIMT 2010), Dec. 28-30, 2010, Hong Kong, China.

INVITED TALKS

1. *GA and its Applications*, Defence Terrain Research Laboratory, DTRL, DRDO, Metcalf House, New Delhi, 2006.
2. *Improved Genetic Algorithm for Channel Allocation in Mobile Computing*, National Conference on Emerging Trends in Software Engineering & Information Technology, Gwalior Engineering College, Gwalior (M.P.), 2007.

3. *Improved Genetic Algorithm for Channel Allocation*, National Conference on Advance Computing and Communication, Invertis Institute of Engineering and Technology, Bareilly, (U.P.), August 24-25, 2007.
4. *Channel Allocation in Mobile Computing*, National Conference on Information security and Mobile Computing, ABES Engineering College, Ghaziabad (U.P.), Feb. 3-4, 2008.
5. *Channel Allocation in Mobile Computing using GA*, Faculty Development Program on Mobile and Wireless Networks, ABV Indian Institute of Information Technology, Gwalior, 14 Oct. 2008.
6. *Improved GA for Channel Allocation*, Faculty Development Program on Network Technologies, University School of Information Technology, Guru Gobind Singh Indraprastha University, Delhi, 24 Dec., 2008.
7. *Modified Genetic Algorithm*, National Conference on Advanced Computing and Communication Technology, ABES Engineering College, Ghaziabad. 6-7, Feb., 2009
8. *GA and its Applications*, National Seminar on New Paradigms in Computing, Bhai Parmanand Institute of Business Studies, Govt. of NCT of Delhi, Delhi, 25 Feb. 2009.
9. *Computer Design: Past, Present and Future*, Orientation Program in Role of ICT Technologies in Education, Academic Staff College, Banaras Hindu University, Varanasi (UP), June 8, 2009.
10. *Multicore Systems: An Overview*, Refresher Course in Computer Science, Delhi University, Delhi, January 5, 2010
11. *Genetic Algorithms and its Applications*, Faculty Development Program on Soft Computing techniques and its Engineering Applications, Madhav Institute of Technology and Sciences, Gwalior, January 3, 2010.
12. *Modified Genetic Algorithm*, National Conference on Advanced Computing and Communication Technology, ABES Engineering College, Ghaziabad. 6-7, Feb., 2009
13. *"From Sequential to Cloud Computing: A Journey"*, ABV-Indian Institute of Information Technology and Management, Gwalior (MP) on 19 Aug. 2011
14. *"Evolution in Computer Systems"*, BBDIT, Ghaziabad on 14th Oct. 2011.
15. *"Genetic Algorithm: How it works"*, in Faculty Development Program at Madhav Institute of Technology, Gwalior on 15th Dec. 2011
16. *"Computer Systems: Past Present and Future"*, Fairfield Institute of technology and Management, Kapasheda, Delhi, 15th Feb. 2012
17. *"Genetic Algorithm: How it works"*, Workshop on Soft Computing Techniques, South Asian University, New Delhi, September 7, 2012.
18. *"Basics of Genetic Algorithm"*, Refreshers Course on ICTA, Academic Staff College, Banaras Hindu University, Varanasi, October 5, 2012
19. *"Computer Systems: Past Present and Future"*, Refreshers Course on ICTA, Academic Staff College, Banaras Hindu University, Varanasi, October 5, 2012

20. *"An Introduction to Cloud Computing"* 11th National Seminar on *Emerging Advances in Information Technology*, ITS, Mohan Nagar Ghaziabad, March 16, 2013.
21. *"Issues in Cloud Computing"* International Workshop on "Data Curation in the University: Libraries, Research, and Learning" Jawaharlal Nehru University, New Delhi, India, March 25, 2013.
22. *"Research Issues in Cloud Computing"*, National Conference on Innovative Trends in Signal Processing & Networking, Shri Ram Murti Smarak Women's College of Engineering. & Technology, Bareilly UP, 13th April, 2013.

BOOKS AUTHORED

Scheduling in Distributed Computing Systems (A Research Monograph) by Springer, USA, November. 2009 (with co-authors) ISBN 978-0-387-74483-4

Technologies and Protocols for Future Internet Design: Reinventing the Web: Ed. D.P.Vidyarthi, IGI-Global (USA). Feb. 2012, DOI: 10.4018/978-1-4666-0203-8, ISBN13: 9781466602038, ISBN10: 1466602031, EISBN13: 9781466602045

PUBLICATIONS

Peer Reviewed Journals

1. Agent Based Energy Constrained Channel Allocation in Mobile Computing, Lutfi M. Omer Khanbary, Deo Prakash Vidyarthi, Int. J. of Wireless and Mobile Computing, Inder Science, 2012, **IF: 0.23 (Accepted)**
2. Security Driven Scheduling Model for Computational Grid Using NSGA-II, Rekha Kashyap, Deo Prakash Vidyarthi, Journal of Grid Computing, Springer, 2013, **IF: 1.310 (Published Online)**
3. A Novel Scheduling Model for Computational Grid using Quantum Genetic Algorithm, Shiv Prakash, Deo Prakash Vidyarthi, Int. J. of Supercomputing, Springer, 2013, **IF: 0.917 (Published Online)**
4. Observing the effect of interprocess communication in auto controlled ant colony optimization-based scheduling on computational grid, Pawan Kumar Tiwari, Deo Prakash Vidyarthi, CONCURRENCY AND COMPUTATION: PRACTICE AND EXPERIENCE, Wiley, 2012, **IF:1.322 (Published Online)**
5. A Comparative Study of batch Scheduling Strategies for Parallel Computing System, Mohammad Sahid, Zahid Raza, Deo Prakash Vidyarthi, International J. of Innovation, Management and Technology, IACSIT, Vol.4, No. 1, February 2013, pp. 31-37
6. A Cooperative Cell Model in Computational Mobile Grid, Achal Kaushik, Deo Prakash Vidyarthi, International Journal of Business Data Communications and Networking, 8(1), 19-36, January-March 2012 pp. 19-35 **H Index: 3, SNIP: 0.446**

7. Evolutionary Computation and Its Applications : A Survey, Pawan Kumar Tiwari, Deo Prakash Vidyarthi, Information Engineering Letters, ISSN: 2160-4114, Volume 2, Number 1, March, 2012, pp. 10-17
8. Observations on Effect of IPC in GA Based Scheduling on Computational Grid, Shiv Prakash, Deo Prakash Vidyarthi, International Journal of Grid and High Performance Computing, 4(1), January-March 2012, pp. 67-80 **H Index: 2, SNIP: 0.230**
9. Dual Objective Security Driven Scheduling Model for Computational Grid using GA, Rekha Kashyap, D.P.Vidyarthi, IAENG International Journal of Computer Science, Volume 39 Issue 1, 2012, pp. 71-79 **H Index: 4**
10. To Maximize Reliability for a Flow in Cellular IP Network using GA, Mohammad Anbar, Deo Prakash Vidyarthi, International Journal of Computer Science: Theory, Technology and Applications, Vol. 1, No.1, 2012, pp. 1-17
11. Load Balancing in Computational Grid Using Genetic Algorithm, Shiv Prakash, Deo Prakash Vidyarthi, Int. J. of Advances in Computing, Vol. 1, Issue 1, 2011 pp. 8-17
12. Multi-Objective Optimization for Channel Allocation in Mobile Computing using NSGA-II, Deo Prakash Vidyarthi, Lutfi M Omer Khanbary, International Journal of Network Management, Volume 21, Issue 3, May 2011, pp. 247–266 **IF: 0.222, SNIP: 1.300**
13. Maximizing the Flow Reliability in Cellular IP Network using PSO, Mohammad Anbar, Deo Prakash Vidyarthi, International Journal of Interdisciplinary Telecommunications and Networking, Vol. 3, No. 1, January-March 2011, pp.1-19
14. A Reliability Based Scheduling Model (RSM) for Computational Grids, Raza, Zahid and Vidyarthi, Deo Prakash, International Journal of Distributed Systems and Technologies, Volume 2, Issue 2, April-June 2011, pp.19-36
15. A Computational Grid Scheduling Model To Maximize Reliability Using Modified GA, Raza, Zahid and Vidyarthi, Deo Prakash, International Journal of Grid and High Performance Computing, Volume 3, Issue 1, 2011, pp 1-20, **H Index: 2, SNIP: 0.230**
16. Comparative Study of two CPU Router Time Management Algorithms in Cellular IP Networks, Deo Prakash Vidyarthi, Mohammad Anbar, International Journal of Network Management, Volume 21, Issue 2, March/April 2011, pp. 120–129 **IF: 0.222, SNIP: 0.230**
17. Weight-balanced security-aware scheduling for real-time computational grid Rekha Kashyap and Deo Prakash Vidyarthi, Int. J. Grid and Utility Computing, Vol. 2, No. 4, 2011, 313-325, pp. 1377-1391, **H Index:6, SNIP: 0.745**
18. Security-aware scheduling model for computational grid, Rekha Kashyap, Deo Prakash Vidyarthi, CONCURRENCY AND COMPUTATION: PRACTICE AND EXPERIENCE, Wiley 2011, **IF:1.322**
19. Router CPU Time Management in Cellular IP Network using GA, M. Anbar, D.P.Vidyarthi, International Journal on Computer Applications (IJCA), Vol.1, No. 3, 2010, pp. 130-136, **IF: 0.814**

20. A Scheduling Model with Multi-Objective Optimization for Computational Grids using NSGA-II, Zahid Raza, Deo Prakash Vidyarthi, International Journal of Applied Evolutionary Computation IJAEC, 2010, Vol.1, Issue 2, 2010 pp. 74-94
21. Buffer Management in Cellular IP Networks using Evolutionary Algorithms, Mohammad Anbar, Deo Prakash Vidyarthi, International Journal of Applied Evolutionary Computation (IJAEC), Vol. 1, No. 4, 2010, pp. 1-22
22. Modified Genetic Algorithm with Threshold Selection, Lutfi M. Omer Khanbary, D.P.Vidyarthi, International Journal of Artificial Intelligence, Vol. 1, No. 503, Spring 2009, pp. 14-26, **SNIP: 0.827**
23. A Security Prioritized Computational Grid Scheduling Model: An Analysis, Rekha Kashyap, Deo Prakash Vidyarthi, International Journal of Grid and High Performance Computing, 1(3), July-September 2009, pp. 73-84, **H Index: 2, SNIP: 0.230**
24. Reliability Based Channel Allocation using Genetic Algorithm in Mobile Computing, Lutfi M. Omer Khanbary, D.P.Vidyarthi, IEEE Trans. In Vehicular Technology, Vol. 58, Issue 8, 2009. pp. 4248-4256. **IF: 1.921, SNIP: 4.294**
25. On Demand Bandwidth Reservation for Real-Time Traffic in Cellular IP Network using Particle Swarm Optimization, Mohammad Anbar, D.P.Vidyarthi, International J. of Business Data Communication and Networking, Vol. 5 No. 3, 2009. pp. 53-66, **SNIP: 0.446**
26. Preallocation Directive in Parallel/Distributed System, Deo Prakash Vidyarthi, Int. Journal of Information and Computing Science, Vol. 12, NO 1, June 2009.
27. A Computational Grid Scheduling Model To Minimize Turnaround Using Modified GA, Zahid Raza, Deo Prakash Vidyarthi, International Journal of Artificial Intelligence, Volume 3, Number A09, Autumn 2009 pp. 86-106, **SNIP: 0.827**
28. Channel Allocation in Cellular Network Using Modified Genetic Algorithm, Lutfi Mohammed Omer Khanbary, Deo Prakash Vidyarthi International Journal of Artificial Intelligence, Volume 3, Number A09, Autumn 2009 pp. 126-148, **SNIP: 0.827**
29. Buffer Management in Cellular IP Networks using PSO, Mohammad Anbar, Deo Prakash Vidyarthi, International Journal of Mobile Computing and Multimedia Communications, Vol.1 No. 3, 2009, pp.78-99, **H Index: 2**

30. A GPS Based Deterministic Channel Allocation for Cellular Network in Mobile Computing, Lutfi Mohammed Omer Khanbary, Deo Prakash Vidyarthi, *International Journal of Business Data Communication and Networks*, Vol. 5 No. 4, 2009, **SNIP: 0.446**
31. A GA Based Scheduling Model for Computational Grid to Minimize Turnaround Time, Zahid Raza, Deo Prakash Vidyarthi, *Int. J. of Grid and High Performance Computing*, Vo. 1, No. 4, 2009, **H Index: 2, SNIP: 0.230**
32. On Demand Bandwidth Reservation for Real-time traffic in Cellular IP networks using Evolutionary Techniques, M. Anbar, D.P.Vidyarthi, *International Journal of Recent Trends in Engineering*, Vol. 2, November 2009, pp. 150-156
33. Router CPU time management in Cellular IP networks using PSO, M. Anbar, D.P.Vidyarthi, *International Journal of Advancements in Computing Technology*, Vol. 1, No.2, December 2009, pp. 48-55.
34. Maximizing Reliability with Task Scheduling in a Computational Grid Using GA, Zahid Raza, & Deo Prakash Vidyarthi, *International Journal of Advancements in Computing Technology*, Vol. 1, No.2, December 2009, pp.40-47.
35. A GA Based Effective Fault-Tolerant Model for Channel Allocation in Mobile Computing, Lutfi M. Omer Khanbary, D.P.Vidyarthi, *IEEE Trans. On Vehicular Technology*, Vol. 57, No.3, May 2008, pp. 1823-1833, **IF: 1.921, SNIP: 4.294**
36. A Model for Header Compression Context Transfer in Cellular IP, M. Anbar, D. P. Vidyarthi, *International Review on Computers and Software*, Vol. 3 No. 5, September 2008, pp.482-491 **IF:6.14, H Index: 6**
37. Distributed Shared Memory for Object Allocation in DCS, Deo Prakash Vidyarthi, Kirti Rani, *International J. of Information Technology & Management*, Vol. 5, No. 1, 2006, **IF: 0.3780**
38. Improved Genetic Algorithm for Channel Allocation with Channel Borrowing in Mobile Computing, Somnath Sinha Maha Patra, Kousik Roy, Sarthak Banerjee, Deo Prakash Vidyarthi, *IEEE Trans. on Mobile Computing*, Vol. 5, No. 7, July, 2006, pp. 884-892, **IF: 3.956**
39. Cluster Based Load Partitioning and Allocation in Distributed Computing System, D.P.Vidyarthi, A.K.Tripathi, B.K.Sarker, *International J. of Computers & Applications* Vol.28. No.4, 2006, **IF: 0.814, SNIP:0.360**
40. Allocation of Tasks in a DCS using a different Approach with A* considering Load, B.K.Sarker, A.K.Tripathi, D.P.Vidyarthi, L.T.Yang, K.Uehara, *Special Issue on Hardware/Software Support for High Performance Scientific and Engineering Computing, IEICE Transaction on Information & Systems*, Vol. E-87 D, No. 7, July 2004, pp. 1859-1866, **IF: 0.18, SNIP: 0.945**
41. A Performance Study of Task Allocation Algorithms in a Distributed Computing System, B.K.Sarker, A.K.Tripathi, D.P.Vidyarthi, Kuniaki Uhera, *IEICE Transaction on Information and Systems*, Vol. E86-D, No.9 September 2003, pp. 1611-1619, **IF: 0.18, SNIP: 0.945**

42. Object Allocation in Distributed Computing System, D.P.Vidyarthi, A.K.Tripathi, B.K.Sarker, K.Rani, International J. of Information and Computing Science, Vol. 5, No. 2 December 2002.
43. Exploiting Parallelism in Genetic Task Allocation Algorithm, D.P.Vidyarthi, A.K.Tripathi, International J. of Information and Computing Science, Vol. 4, No. 1, 2001.
44. Maximizing Reliability of Distributed Computing System with Task Allocation using Simple Genetic Algorithm, D.P.Vidyarthi, A.K.Tripathi, J. of Systems Architecture, Vol. 47, No. 6, 2001, pp. 549-554, **IF: 0.577**
45. Multiple Task Management in DCS, D.P.Vidyarthi, A.K.Tripathi, B.K.Sarker, CSI J. of Research, Vol. 31, No. 1, March 2001.
46. Allocation Aspects in Distributed Computing System, D.P.Vidyarthi, A.K.Tripathi, B.K.Sarker, IETE Technical Review, Vol. 18, No. 6, Nov.-Dec. 2001, **IF: 0.724**
47. Multiple Task Allocation in DCS Considering Load, A.K.Tripathi, B.K.Sarker, N.Kumar, D.P.Vidyarthi, International J. of Information and Computing Science, Vol. 3 No.1, 2000.
48. A GA Based Multiple Task Allocation Considering Load, A.K.Tripathi, B.K.Sarker, N. Kumar, D.P.Vidyarthi, Int. J. of High Speed Computing, Vol.11. No.4, 2000, **IF: 0.643**
49. Studies on Reliability with Task Allocation of Redundant Distributed Systems, D.P.Vidyarthi, A.K.Tripathi, IETE Journal of Research, Vol.44, Nov-Dec 1998, **IF: 0.132**
50. Precedence Constrained Task Allocation in Distributed Computing System, D.P.Vidyarthi, A.K.Tripathi, International J. of High Speed Computing, Vol.8 No.1, 1996, **IF: 0.643**
51. A Genetic Task Allocation Algorithm for Distributed Computing Systems Incorporating Problem Specific Knowledge, D.P.Vidyarthi, A.K.Tripathi, A.N.Mantri, International J. of High Speed Computing, Vol. 8 No. 4, 1996, **IF: 0.643**

Peer Reviewed Conferences

1. Security-Driven Scheduling Model for Computational Grid using Genetic Algorithm R. Kashyap, D.P. Vidyarthi, World Congress on Engineering and Computer Science 2011 Vol I (WCECS 2011), October 19-21, 2011, San Francisco, USA
2. Shiv Prakash, D.P.Vidyarthi, A Model for Load Balancing in Computational Grid, IEEE International Conference on High Performance Computing (HiPC), Bangluru (Banglore), India, December 18-21, 2011
3. A Variant of Quantum Genetic Algorithm and its Possible Applications, Pawan Kumar Tiwari, D.P.Vidyarthi, International Conference on Soft Computing for Problem Solving, Roorkee, India, Dec. 20-22, 2011
4. A Comparative Study of FCFS and TBSS Scheduling Strategies for Parallel Computing System, Zahid Raza, Deo Prakash Vidyarthi, 2nd Int. Conference on Information and Multimedia Technology (ICIMT 2010), Dec. 28-30, 2010, Hong Kong, China.

5. Weighted Deadline Driven Security Aware Scheduling for Real time Computational Grid, Rekha Kashyap, D.P.Vidyarthi, 2nd QWASP Ibero-American Web Application Security Conference, IBWAS, 2010, Lisboa, Portugal.
6. A Security Prioritized Scheduling Model for Computational Grid, Rekha Kashyap, Deo Prakash Vidyarthi, HPC Asia, Kaohsiung, Taiwan, March 2-5, 2009.
7. GA Based on Demand Bandwidth reservation for Real-time Traffic in Cellular IP networks, Mohammad Anbar, Deo Prakash Vidyarthi, 5th International Joint Conference on INC, IMS and IDC (NCM 2009), Aug. 25-27, Seoul, South Korea. pp. 1935-1942
8. Buffer Management in Cellular IP networks using GA, M. Anbar, D.P.Vidyarthi, Proceedings of Int. Conference on Advanced Computer Theory and Engineering (ICACTE), Cairo, Egypt, Sep. 25-27, 2009 pp. 1163-1173
9. Maximizing Reliability with Task Scheduling in a Computational Grid, Zahid Raza, D.P.Vidyarthi, Second International Conference on Information Systems Technology and Management, Dubai, UAE, March 6-8, 2008.
10. Mobility Management Model for Healthcare Services, Lutfi Mohammed Omer Khanbary, Deo Prakash Vidyarthi, Proceedings Of The International Conference On High Performance Computing, Networking And Communication Systems Orlando, Florida, USA, July 7-10 2008, ISBN: 978-1-60651-004-9
11. A Fault Tolerant Grid Scheduling Model to Minimize Turnaround Time. Zahid Raza, Deo Prakash Vidyarthi Proceedings of the International Conference On High Performance Computing, Networking And Communication Systems Orlando, Florida, USA, July 7-10 2008, ISBN: 978-1-60651-004-9
12. GA Based Mobility Management Model for Healthcare Services, Lutfi M. Omer Khanbary, D.P.Vidyarthi, Proceedings of the 1st International Congress on Pervasive Computing and Management, New Delhi, INDIA, 12-14 Dec., 2008.
13. A Replica Based Co-Scheduler (RBS) for Computational Grids, Zahid Raza, Deo Prakash Vidyarthi, 17th International Conference on Computing CIC 2008, Mexico City, Mexico, December 3-5, 2008
14. QoS in Cellular IP: Resource Reservation, Mohammad Anbar, D.P.Vidyarthi, National Seminar on Methods and Models in Computing, JNU, Delhi, 13-14 December, 2007, pp. 238-244
15. Computational Grid and Reliability, Raza, Zahid and Vidyarthi, Deo Prakash, National Conference on Mathematical Modeling, Optimization and Their Applications (OptiMA), Bharti Vidyapith, April, 2007
16. Grid Computing: Issues and Challenges, Zahid Raza, D.P.Vidyarthi, National Seminar on Methods and Models in Computing, JNU, Delhi, 18-19 December, 2006.

17. Mobile Computing: Issues and Challenges, Lutfi Mohammad Omer Khanberi, D.P.Vidyarthi, National Seminar on Methods and Models in Computing, JNU, Delhi, 18-19 December, 2006.
18. Multiple Tasks Allocation in Arbitrarily Connected Distributed Computing Systems Using A* Algorithm and Genetic Algorithm, Biplab Kumer Sarker, Anil Kumar Tripathi, Deo Prakash Vidyarthi, Laurence Tianruo Yang, [Kuniaki Uehara](#), ISPA Workshops 2006, 279-290
19. Load Balanced Allocation of Multiple Tasks in a Distributed Computing System, [Biplab Kumer Sarker](#), Anil Kumar Tripathi, Deo Prakash Vidyarthi, Laurence Tianruo Yang, [Kuniaki Uehara](#), Proceedings of International Conference on Embedded and Ubiquitous Computing (EUC 2005), Nagasaki, Japan, December 6-9, 2005, Lecture Notes in Computer Science 3824 Springer, 584-596
20. Cluster-Based Multiple Task Allocation in Distributed Computing System, D.P.Vidyarthi, A.K.Tripathi, B.K.Sarker, A. Dhawan, L.T. Yang, 5th Workshop on Parallel and Distributed Scientific and Engineering Computing, April 26-30, 2004, Santa Fe, New Mexico, USA.
21. Comparative Study of Two GA based Task Allocation Models in Distributed Computing System, D.P.Vidyarthi, A.K. Tripathi, B.K.Sarker, K. Rani, Fourth International Conference on Parallel and Distributed Computing, Applications and Technologies, Aug. 27-30, 2003, Chengdu, China.
22. A different Approach for Allocating Tasks in a DCS using A*, B.K.Sarker, A.K.Tripathi, D.P.Vidyarthi, K. Uehara, Fourth International Conference on Parallel and Distributed Computing, Applications and Technologies, Aug. 27-30, 2003, Chengdu, China.
23. Comparative Study of Task Allocation Algorithms based on A* and GA in a Distributed Computing System, B.K.Sarker, A.K.Tripathi, D.P.Vidyarthi, K.Rani, K. Uehara, Third International Conference on Parallel and Distributed Computing, Applications and Technologies, Sep. 3-6, 2002, Kanazawa, Japan.
24. Performability of Distributed Computing Systems with Task Allocation, D.P.Vidyarthi, A.K.Tripathi, SASESC-2000, DayalBagh Educational Institute, Agra, 5-6 March 2000.
25. Evolutionary Computation: Software Task Allocation, D.P.Vidyarthi, National Seminar on Intelligent Computing and Software Engineering, IT, Banaras Hindu University, Varanasi, 25-26 March 2000.
26. Distributed Systems: An Emerging Trend of Information Technology, D.P.Vidyarthi, A.K.Tripathi, National Symposium on Emerging Trends in Electronics and Computer Science, Dr. RML Avadh University, Faizabad, 10-11 March 1999.
27. A Fuzzy IMC Cost Reduction Model for Task Allocation in Distributed Computing Systems, D.P.Vidyarthi, A.K.Tripathi, International Symposium on Methods and Models in Automation and Robotics, 25-29 Aug. 1998, Szczecin, Poland.
28. Task Partitioning Using Genetic Algorithm, D.P.Vidyarthi, A.K.Tripathi, A.N.Mantri, International Conference in Cognitive Systems, 12-15 Dec. 1997, New Delhi

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