

Curriculum Vitae of Prof. Dr. Ajith Abraham

CONTACT INFORMATION

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Machine Intelligence Research Labs (MIR Labs)
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Faculty of Electrical Engineering and Computer science
VSB-Technick Univerzita Ostrava
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EDUCATION

- Monash University, Melbourne, Australia
Ph.D. in Computer Science, (2001)
Thesis topic: *Hybrid Soft Computing: Architecture Optimization and Applications*
- Nanyang Technological University, Singapore
Master of Science in Control and Automation (1998)
Thesis topic: *Reliability Modeling and Optimization of Electronic Systems*
- University of Calicut, Kerala, India 673 635
Bachelor of Technology in Electrical and Electronic Engineering (1990)
Grade of Passing: First class (Honors). *First in the class of 50 students.*

PROFESSIONAL EXPERIENCE SUMMARY

Academic: 18 years

Industrial experience: 7.5 years in three different assignments

ACADEMIC TEACHING AND RESEARCH

July 2008 -

Director

Machine Intelligence Research Labs (MIR Labs)
11, 3rd Street NW
P.O. Box 2259, Auburn, Washington 98071-2259
USA

June 2009 -

Research Professor

Faculty of Electrical Engineering and Computer science
VSB-Technick Univerzita Ostrava
17 listopadu 15/2172
708 33 Ostrava-Poruba, Czech Republic

January 2007 - 2010

Research Professor,

*Norwegian Centre of Excellence, Norwegian University of Science and Technology,
O.S. Bragstads plass 2E, N-7491, Trondheim, Norway*

August 2004 - December 2006

**Institute of Information Technology Advancement Program
Distinguished Visiting Professor**

School of Computer Science and Engineering, Chung-Ang University, Seoul, Korea
School of Computer Science, Yonsei University, Seoul, South Korea

August 2002 - July 2004

Assistant Professor

Department of Computer Science, Oklahoma State University, USA

February 2002 - July 2002

Research Fellow

Faculty of Information Technology, Monash University (Clayton Campus), Australia

March 1999 - January 2002

Lecturer

Faculty of Information Technology, Monash University, Australia

HONORARY/ADJUNCT APPOINTMENTS

June 2013 - May 2016

External Assessor

Universiti Putra Malaysia, Malaysia

January 2008 -

Research Advisor

Addis Ababa University, Ethiopia

June 2012 -

Research Advisor

Sudan University of Science and Technology, Khartoum, Sudan

January 2011 - December 2015

Adjunct Professor

Southern Illinois University, Carbondale, USA

November 2011 - November 2013

Adjunct Professor

University Technical Malaysia, Melaka

May 2012 - June 2012

Visiting Professor

Kazakh-British Technical University, Almaty, Kazakhstan

June 2011

Visiting Professor

University of Pisa, Italy

May 2011

Visiting Professor

Wroclaw University of Technology, Wroclaw, Poland

September 2010 - October 2010

Visiting Professor

AGH University of Science and Technology, Krakow, Poland

June 2010 - June 2011

Adjunct Professor,
Hungarian Academy of Sciences, Hungary

January 2008 - December 2008

Adjunct Professor,
Open University of Catalunya, Barcelona, Spain

July - October 2008

Adjunct Professor,
National Institute of Applied Sciences, INSA-Lyon, France

May 2005 - April 2006

Adjunct Professor,
Rovira i Virgili University, Spain

January 2005 -

Adjunct Professor,
Jinan University, China

January 2005 -

Adjunct Professor,
Dalian Maritime University, China

INDUSTRIAL EXPERIENCE

Research and Development

January 1996 - February 1999

Project Engineer,
Keppel Engineering Ltd., 19, Kian Teck Road, Singapore 628772.
<http://www.keppelcorporation.com>

April 1993 - October 1995

Design Engineer,
Hyundai Engineering Ltd., Seoul, Korea.
<http://www.hyundai.com>

March 1991 - February 1993

Engineer (Projects),
Ashok Leyland Ltd., Madras, India 600 057.
<http://www.ashokleyland.com>

RESEARCH GRANTS AWARDED AS PRINCIPAL INVESTIGATOR

Funding agency: Generalitat de Catalunya, Spain
Topic: Evolving Artificial Intelligence Paradigms on Computational Grid for Knowledge Mining
Principal Investigator: Ajith Abraham
Funding period: January - December 2008

Funding agency: Ministry of Education, Spain
Topic: Evolutionary Neural Network Optimization
Principal Investigator: Ajith Abraham
Funding period: 2005-2006

Funding agency: Presidential Challenge Grant, Oklahoma State University
Topic: Web Based Distributed Data Mining Using Hybrid Intelligent Systems
Principal Investigator: Ajith Abraham

Co-Investigators: D. Delen (OSU), M. Paprzycki (OSU) and J. Thomas (OSU)
Funding period: 2003 - 2005

Funding agency: State of Oklahoma, USA
Topic: Startup fund as Domain Leader
Principal Investigator: Ajith Abraham
Funding period: January - December 2004

RESEARCH GRANTS AWARDED AS CO-INVESTIGATOR

Funding agency: Malaysian Government Grant, Higher Learning Ministry, Malaysia
Topic: Tree structural based method for feature selection
Funding period: 2010-2012

Funding agency: National Science Foundation of China (NSFC), Grant number: 60873054
Topic: Research on Hidden Chinese Cognition Model Based on Swarm Intelligence
Funding period: 2009-2011

Funding agency: MOSTI Science Fund, Malaysia
Topic: Development of An Integrated Adaptive Web Caching and Prefetching
Funding period: 2008-2010

Funding agency:Malaysia
Topic: A Novel Swarm Optimized Rough Apriori Model for Mining Significant Resistant Single Nucleotide Polymorphism Subset in Obesity Gene Variants Diagnosis
Funding period: 2013-2014

Funding agency: Malaysia
Topic: The Augmented Social Network (ASN) Benchmark for Web Pre-caching on Solving Trust, Accuracy and Expectation Problems
Funding period: 2012-2014

Funding agency: European Social Fund and Czech Republic State Funds
Topic: BIO-inspired Methods: research, education and knowledge transfer (CZ.1.07/2.3.00/20.0073)
Funding period: 2011-2014

Funding agency: European Social Fund and Czech Republic State Funds
Topic: IT4Innovations, Center of Excellence
Funding period: 2011-2015

Funding agency: The International Centre for Genetic Engineering and Biotechnology, Italy
Topic: A New 3D Descriptor of Synthetic Drug Molecular Structure for Drug Analysis
Funding period: 2014-2015

Funding agency: European Commission, FP7-PEOPLE-2012-ITN Programme
Topic: Development of in-silico process models for roll compaction
Funding period: 2013-2016

IEEE TECHNICAL COMMITTEE CHAIR

(November 2008 -), **Co-Chair of the Technical Committee on Soft Computing**, IEEE Systems Man and Cybernetics Society, IEEE, USA.

IEEE COMPUTER SOCIETY - DISTINGUISHED VISITORS PROGRAM

(July 2011 - July 2013), **Distinguished Visitors Program - Representing Europe**, IEEE Computer Society, USA.

MY RESEARCH INTERESTS

Table 1: Summary of contributed research publications

Authored books	7
Journal papers	288
Book chapters	80
Edited books	36
Edited conference proceedings	145
Conference papers	490
Invited articles etc.	36
Total	1,082

Table 2: Google scholar citations data as of April 29, 2016

Total Citations	20,631
H-index	71
i10-index - Papers with 10 or more citations	383

My primary research is on developing machine intelligence using natural computation techniques. Hybridization of different natural computation techniques is an innovative approach to construct computationally intelligent systems consisting of connectionist learning paradigms, fuzzy inference systems, approximate reasoning and derivative free optimization methods such as evolutionary computation, particle swarm optimization, bacterial foraging and so on. I am also interested in network security, sensor networks, information assurance, e-commerce, semantic Web, Web intelligence, bioinformatics, financial modeling, decision support systems, data mining applications etc. Please see **Table 1** for a summary of research publications.

INVITED TALKS

Keynote and Plenary Talks During International Conferences

1. 5th International Conference on Computing and Informatics (ICOCI 2015), Istanbul, Turkey 2015.
2. International Conference - Shaastrarth 2015, Raipur, India
3. International Conference on Innovations in Computing Techniques, Coimbatore, India, 2015.
4. Indo-Czech Joint Workshop on Big Data Analytics, India, 2015.
5. International Workshop on Big Data Analytics, India, 2015.
6. International Workshop on Big Data Analytics, India, 2015.
7. International Conference on Computational Intelligence in Data Mining, Burla, India, 2014.
8. International Conference on High Performance Computing and Applications, Bhubaneswar, India, 2014.
9. International Conference on Advances in ICT for Emerging Regions (ICTer2014), Colombo, Sri Lanka, 2014.
10. 14th International Conference on Hybrid Intelligent Systems (HIS 2014), Kuwait, 2014.
11. IEEE International Symposium on Biometrics Security Technologies, Kuala Lumpur, Malaysia, 2014.
12. International Seminar by Ministry of Interior, Taiwan.
13. 7th International Joint Conference on Computational Sciences and Optimization (CSO 2014), Beijing, 2014.
14. International Conference on Computing, Informatics and Networks (ICCIN 2K14), New Delhi, 2014.
15. 2nd International Conference on Computing, Measurement, Control and Sensor Network, Taiwan, 2014.
16. International Seminar, Hindustan University, India, 2014.

Table 3: Web of Science citations data as of April 29, 2016

Total Citations	4,373
H-index	33
Average number of citations / article	10

17. International Conference on Theory and Practice in Modern Computing (TPMC 2013), Prague, Czech Republic, 2013.
18. Journes Doctorales en Systmes d'Information, Rseaux et Tlcommunication (JDSIRT), Rabat, Morocco, 2013.
19. World Conference on Advances in Communications and Control Systems, Dehradun, India, 2013.
20. 3rd Kuwait Conference on E-Services and E-Systems (KCESS 2012), Kuwait, 2012.
21. 13th Ibero-American Conference on Artificial Intelligence (IBERAMIA 2012), Cartagena de Indias, Colombia, 2012.
22. 16th International Conference on Knowledge-Based and Intelligent Information Engineering Systems (KES 2012), San Sebastian, Spain, 2012.
23. The International Conference on E-business Technology Strategy (iCETS 12), Tianjin, China, 2012 .
24. 15th International Conference on Business Information Systems (BIS 2012), Vilnius, Lithuania, Lecture Notes in Business Information Processing, Springer Verlag, 2012.
25. The International Conference on Information Systems Design and Intelligent Applications (INDIA-2012), Springer Verlag, Germany, 2012.
26. International Conference on Innovations in Computers, Information and Communication (ICI-CIC 2012), PSG Tech, Coimbatore, India.
27. 3rd International Conference on Trends in Information Sciences and Engineering (TISE 2011), Chennai, India, 2011.
28. 1st Indo-Czech Synergy Programme on Advances in Information and Communication Technologies, Nagpur, India, 2011.
29. 11th International Conference on Computational Science and Its Applications (ICCSA 2011), Santander, Spain, Springer Verlag, Germany, 2011.
30. 7th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2011), 2011.
31. International Conference on Soft Computing Models in Industrial and Environmental Applications Salamanca, Spain, 2011.
32. 4th International Conference on Genetic and Evolutionary Computing (ICGEC 2010), Shenzhen, China, 2010.
33. 3rd International Conference on Computational Intelligence in Security for Information Systems (CISIS10), Leon, Spain, 2010.
34. 3rd International Conference on Emerging Trends in Engineering and Technology (ICETET-10), Goa, India, 2010.
35. International Workshop on Meta-Heuristics and IT Researchers, IIITM Gwalior, India, 2010.
36. 4th International Conference on Neural Parallel and Scientific Computation (NPSC 2010), Atlanta, USA, 2010.
37. International Workshop on Soft Computing Models in Industrial Applications (SOC0 2010), Portugal, 2010.
38. International Conference and Workshop on Software Engineering and Intelligent Systems (SEIS 2010), Ota, Nigeria, 2010.
39. Soft Computing Techniques and Their Engineering Applications (SDP), Gwalior, India, 2010.
40. National Conference on Advanced Computing, Kochi, India, 2010.

41. The Changing Relationship between Terrorism, Insurgency and Inter-State War (CSPTV 2010), St Andrews, UK, 2010
42. 3rd International Conference on Pattern Recognition and Machine Intelligence (PReMI 2009), New Delhi, India.
43. IEEE International Conference on Information Science and Engineering (ICISE 2009), Nanjing, China.
44. 8th International Conference on Mathematical and Computational Models (ICMCM 2009), Coimbatore, India , 2009.
45. International Seminar on Machine Intelligence (ISMI 2009), Universitas Yarsi, Jakarta, Indonesia, 2009.
46. European Conference on Intelligence and Security Informatics (Euro ISI 2008), Esbjerg, Denmark, December 2008.
47. 2nd International Workshop on Evolutionary Techniques in Data-processing (DEXA'08/ETID '08), Turin, Italy, 2008.
48. IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2008), Ostrava, Czech Republic, 2008.
49. IEEE International Conference on Intelligence and Security Informatics (IEEE ISI 2008), Taipei, Taiwan, 2008.
50. International Conference on Emerging Trends in Engineering and Technology (ICETET 2008), Nagpur, India.
51. The 6th International Conference on Informatics and Systems (INFOS 2008), Cairo, Egypt, 2008.
52. International Symposium on Hybrid Soft Computing in Engineering, ICT and Social Science (HSC 2007), Sofitel Palm Resort, Johor Bahru, Malaysia, 2007.
53. Hybrid Artificial Intelligence Systems Workshop (HAIS 2007) in conjunction with The Conference of the Spanish Association for Artificial Intelligence (CAEPIA), Salamanca, Spain, 2007.
54. 6th International Conference on Computer Information Systems and Industrial Management Applications (CISIM 2007), Elk, Poland, 2007.
55. International Conference on Applied Computing (AC'07), Salamanca, Spain, 2007.
56. 1st IEEE International Conference on Digital Information Management, (ICDIM'06), Bangalore, India, 2006.
57. 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'06), Timisoara, Romania, 2006.
58. First International Conference on Bio-Inspired Computing: Theory and Applications (BICTA'06), Wuhan, China, 2006.
59. The Third International Conference on Neural, Parallel and Scientific Computations (NPSC'06), Atlanta, USA, 2006.
60.) International Conference on Applied Computing 2006 (AC'06), San Sebastian, Spain, 2006.
61. 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'05), Timisoara, Romania, 2005.
62. International Conference on Applied Computing 2005 (AC'05), Algarve, Portugal, 2005.
63. 7th International Mendel Conference on Soft Computing (MENDEL'01), Brno, Czech Republic, 2001.

Tutorials During International Conferences

1. International Conference on Computer Modeling and Simulation, Brno, Czech Republic, September 2009.

2. International Conference on Computational Intelligence Communication System and Networks, CICSyN 2009, Indore, India, July 2009.
3. 3rd Asia International Conference on Modeling and Simulation, Bali, May 2009
4. International Conference on Emerging Trends in Engineering and Technology, ICETET 2008, Nagpur, India, July 2008.
5. 6th International Conference on Informatics and Systems, INFOS 2008, Cairo, Egypt, March 2008.
6. Applied Computing, AC 2006, San Sebastian, Spain, February 2006.
7. 2nd International Conference on Hybrid Intelligent Systems, HIS 2002, Santiago, Chile, December 2002.
8. 6th Online World Conference on Soft Computing in Industrial Applications, WSC6, On the Internet, September 2001.
9. 15th European Simulation Multiconference, ESM 2001, Prague, June 2001.
10. International Conference on Intelligent Multimedia and Distance Education, ICIMADE'01, Fargo, USA, June 2001.
11. 2nd International Conference on Computers in Industry, ICCI 2000, Bahrain, November 2000.

Invited Seminars

1. Hindustan University, India (2013)
2. Addis Ababa University, Ethiopia (2013)
3. VSB Technical University of Ostrava, Czech Republic (2013)
4. University of Sao Paolo, Brazil (2012)
5. Universiti Teknikal Malaysia, Melaka, Malaysia (2012)
6. Sudan University of Science and Technology (2012)
7. University of Sfax, Tunisia (2011)
8. Chinese Academy of Sciences, China (2011)
9. G.H. Raison College of Engineering, Nagpur, India (2011)
10. Hungarian Academy of Sciences, Budapest, Hungary (2011)
11. Indian Institute of Technology, Roorkee, India (2011)
12. University of Delhi, India (2011)
13. Indian Institute of Information Technology and Management, Gwalior, India (2011)
14. Indian Institute of Information Technology and Management, Trivandrum, India (2011)
15. VSB Technical University - Ostrava, Czech Republic (2011)
16. University of Granada, Spain (2010)
17. Indian Institute of Information Technology and Management, Gwalior, India (2010)
18. Cochin University of Science and Technology, Cochin, India (2010)
19. Kuwait University, Kuwait (2010)
20. Covenant University, Ota, Nigeria (2010)
21. Universiti Teknikal Malaysia, Melaka, Malaysia (2010)
22. Xidian University, Xian, China (2009)
23. Dalian Maritime University, Dalian, China (2009)
24. VSB Technical University - Ostrava, Czech Republic (2009)
25. Czech Academy of Sciences, Prague, Czech Republic (2009)
26. Universiti Teknologi Malaysia, Johor Bahru, Malaysia (2009)
27. Universiti Teknikal Malaysia, Melaka, Malaysia (2009)

28. G.H. Raisoni College of Engineering, Nagpur, India (2009)
29. National Institute of Applied Sciences, INSA Lyon, France (2008)
30. Arab Open University, Kuwait (2008)
31. Universiti Teknologi Malaysia, Johor Bahru, Malaysia (2007)
32. Universitat Politècnica de Catalunya, Barcelona, Spain (2007)
33. Open University of Catalonia Barcelona, Catalonia, Spain (2007)
34. Norwegian University of Science and Technology, Trondheim, Norway (2007)
35. Information and Communications University, Korea (2007)
36. National Kaohsiung University of Applied Sciences, Taiwan (2006)
37. Yonsei University, Seoul, Korea (2006)
38. University Babeş-Bolyai (UBB), Cluj-Napoca, Romania (2006)
39. University of Burgos, Burgos, Spain (2006)
40. Rovira i Virgili University, Tarragona, Spain (2006)
41. National Kaohsiung University of Applied Sciences, Taiwan (2005)
42. Department of Computer Science, Chung-Ang University, Seoul, Korea (2005)
43. Jinan University, Shandong, China (2005)
44. Dalian University of Technology, Dalian, China (2005)
45. Dalian Maritime University, Dalian, China (2005)
46. Dalian Fisheries University, Dalian, China (2005)
47. Hanbat National University, Korea (2005)
48. University College Dublin, Ireland (2005)
49. James Cook University, Australia (2004)
50. New Mexico Tech, USA (2003)
51. University of South Australia, Adelaide, Australia (2001)
52. University of Calgary, Calgary, Canada (2001)
53. Deakin University, Melbourne, Australia (2000)

TEACHING

Subjects Taught

My teaching portfolio concentrates on past ten years during which I taught 14 subjects at graduate and under-graduate levels (Please see Table 2).

Ph.D. School

1. *Computational Intelligence* PhD course at Sudan University of Science and Technology (SUST), Sudan (2014).
2. *Computational Intelligence* PhD course at Addis Ababa University, Ethiopia (2013).
3. *Advanced Information Systems* Graduate course at British Technical University, Kazakhstan (2012).
4. *Intrusion Detection Systems* during the *European Future Generation Internet (EuroFGI)*, PhD course on Information and Communication Technologies Security Course, Norway (2007).
5. *Intrusion Detection and Prevention Systems* for a graduate course during September - October, 2007 held at Norwegian University of Science and Technology, Trondheim, Norway (2008).
6. *Hybrid Intelligent Systems* PhD course at University of Pisa, Italy (2011).
7. *Hybrid Intelligent Systems* PhD course at AGH University of Technology, Krakow, Poland (2011).

Table 4: Summary of Teaching Experience

Subjects Taught	Level	Responsibility
Computational Intelligence	Graduate	Instructor
Digital Logic Theory	Under graduate	Instructor
Fuzzy Sets, Fuzzy Logic and Fuzzy Inference Systems: Theory and Applications	Graduate	Instructor
Operating Systems	Graduate	Instructor
Intelligent Data Mining	Graduate	Instructor
Computer Science Migration	Graduate	Instructor
E-commerce	Under graduate	Instructor
Computer Architecture	Under graduate	Instructor
Artificial Intelligence I	Under graduate	Instructor
Artificial Intelligence II	Graduate	Instructor
Evolutionary and Neural Computing	Graduate	Instructor
Computer Models for Business Decisions	Graduate	Tutor
Project Management	Graduate & under graduate	Tutor
General Operations Management	Graduate & under graduate	Tutor

8. *Hybrid Computational Intelligence* PhD course at Wroclaw University of Technology, Wroclaw, Poland (2011).

ACADEMIC ADVISING - COMPLETED RESEARCH STUDENTS

Supervisor - Completed Research Students Ph.D.

1. Nazim Osman Bushara (2016), Sudan University of Science and Technology (SUST), Sudan
2. Shaza Abd Elrahman (2016), Sudan University of Science and Technology (SUST), Sudan
3. Lubna Gabrella (2015), Sudan University of Science and Technology (SUST), Sudan
4. Abdel Hamid (2015), Sudan University of Science and Technology (SUST), Sudan
5. Tibebe Tesema (2013), Addis Ababa University, Ethiopia
6. Salha Al-Sahrani (2012), UTM, Malaysia
7. Sarina Sulaiman (2012), UTM, Malaysia
8. Cong Tran (2005), University of South Australia, Australia

M.S.

1. Saulat Farooq (2005), University of South Australia, Australia
2. Brent Doeksen (2003), Oklahoma State University, USA
3. Srilatha Chebrolu (2003), Oklahoma State University, USA
4. Sandhya Peddabachigari (2003), Oklahoma State University, USA
5. Tibebe Tesema, Addis Ababa University, Ethiopia

Committee Involvement

Ph.D.

1. Juan Alvero (2013), University of Almeria, Spain
2. Miroslav Bursa (2013), Czech Technical University, Prague, Czech Republic

3. Hussam Abdulla (2012), VSB-TU Ostrava, Czech Republic
4. Zdenek Horak (2012), VSB-TU Ostrava, Czech Republic
5. Chet Langin (2011), Southern Illinois University, Carbondale, USA
6. Wahida Almayyan (2011), De Montfort University, UK
7. Roslina Binte Sallehuddin (2011), Universiti Teknologi Malaysia, Malaysia
8. Pavel Kromer (2010), VSB-TU Ostrava, Czech Republic
9. Jan Platos (2010), VSB-TU Ostrava, Czech Republic
10. Eliska Ochodkova (2010), VSB-TU Ostrava, Czech Republic
11. Dante Tapia (2009), University of Salamanca, Spain
12. Santi Cabelle (2008), Open University of Catalonia, Spain
13. Mohammed El-Abd (2008), University of Waterloo, Canada
14. Jan Martinovic (2008), VSB-TU Ostrava, Czech Republic
15. Milos Kudelka (2008), VSB-TU Ostrava, Czech Republic
16. Xiaozhe Wang (2002), Monash University, Australia
17. Okkyung Choi (2004-2006), Chung Ang University, Seoul, Korea
18. Namoh Kang (2004-2006), Chung Ang University, Seoul, Korea
19. Srinivas Mukkamala (2003-2004), New Mexico Technology, USA

M.S.

- Pramesh Muppala (2003), Oklahoma State University, USA
- Miao Chong (2003), Oklahoma State University, USA
- Ruiyuan Guo (2003), Oklahoma State University, USA

Thesis Examination - Ph.D.

1. Nanyang Technological University, Singapore
2. University of Waterloo, Canada
3. University of Winnipeg, Canada
4. Open University of Catalonia, Barcelona, Spain
5. Griffith University, Australia
6. Monash University, Australia
7. University of Canberra, Australia
8. Rovira i Virgili University, Spain
9. Yonsei University, South Korea
10. Chung-Ang University, South Korea
11. Indian Institute of Information Technology, Allahabad, India
12. Indian Institute of Information Technology and Management, Gwalior, India
13. University Putra Malaysia, Malaysia
14. University Teknologi Mara, Malaysia
15. University of Malaya, Malaysia
16. University of Hyderabad, India
17. Indian Institute of Technology, Kharagpur, India
18. Indian Institute of Technology, Roorkee, India
19. Indian Institute of Technology, Kanpur, India
20. Indian Institute of Technology, Mumbai, India

21. Birla Institute of Technology, India
22. Madurai Kamaraj University, India
23. University of Madras, India
24. University of Delhi, India
25. Anna University, India
26. Banaras Hindu University, India
27. Thapar University, India
28. SRM University, India
29. VIT University, India
30. National Institute of Technology, Tiruchirapilly, India
31. Maharishi Markandeshwar University, Mullana-Ambala, India
32. Sharda University, India
33. Visvesvaraya Technological University, India
34. Guru Gobind Singh Indraprastha University, India
35. Bharathiar University, India
36. Sardhar Vallabhbbhai National Institute of Technology, Surat, India
37. Savitribai Phule Pune University, India

Thesis Examination - MS

1. University of South Australia, Australia.
2. University of Pretoria, South Africa.
3. Nanyang Technological University, Singapore.

Awards and Honors

Outstanding Faculty Award

Was awarded the outstanding faculty award (Research) by the Department of Computer Science, Oklahoma State University, USA in 2003.

Best Paper Awards and Nominations

1. Best technical paper award of ICIC 2000, Second International conference on Computers in Industry, Bahrain, November 13-15, 2000. The best paper was selected from a total of 45 papers (52 % acceptance). The award includes US\$1000 and a certificate of merit. **Paper details:** *Ajith Abraham , A Soft Computing Approach for Fault Prediction of Electronic Systems, Published by The Bahrain Society of Engineers, Majeed A Karim et al. (Eds.), Bahrain, pp. 83-91, 2000.*
2. Best technical paper of the Biological Simulation Track, 15th European Simulation Conference, Prague, Czech Republic, 06-09 June 2001. **Paper details:** *Ajith Abraham , Ninan Sajith and Babu Joseph, Will We Have a Wet Summer? Long-term Rain Forecasting Using Soft Computing Models, Modelling and Simulation 2001, Publication of the Society for Computer Simulation International, Prague, Czech Republic, Kerckhoffs E.J.H. and Snorek M. (Eds.), ISBN 1565552253, pp. 1044-1048, 2001.*
3. Best technical paper of CASYS 2001, Fifth International Conference on Computing Anticipatory Systems, Liege, Belgium, 13-18 August 2001. **Paper details:** *Sonja Petrovic-Lazerevic, Ken Coghill and Ajith Abraham , Neuro-Fuzzy Support of Knowledge Management in Social Regulation, Computing Anticipatory Systems, Dubois D.M.(Ed.), American Institute of Physics, New York, ISBN 0735400814, pp. 387-400, 2002.*

4. Best paper award nomination of IEA/AIE'04, 17th International Conference on Industrial Engineering Applications of Artificial Intelligence and Expert Systems, Canada, 2004. **Paper details:** *Marcin Paprzycki, Ajith Abraham and Ruiyuan Guo, Data Mining Approach for Analyzing Call Center Performance, Innovations in Applied Artificial Intelligence, Robert Orchard, Chunsheng Yang, Moonis Ali (Eds.), Lecture Notes in Computer Science 3029, Springer Verlag, Germany, pp. 1092-1101, 2004.*
5. Best technical paper of the Sixth International Conference on Intelligent Systems Design and Applications, ISDA'06, Jinan, China, 2006. Three best papers were selected by an award committee from a total of 490 accepted papers (27 % acceptance). **Paper details:** *Swagatam Das, Ajith Abraham and Amit Konar, Spatial Information based Image Segmentation Using a Modified Particle Swarm Optimization Algorithm, IEEE CS Press, ISBN 07695- 2528-8, Volume II, pp. 438-444, 2006.*
6. Best technical paper of the Second IEEE International Conference on Digital Information Management, Lyon, France, ICDIM 2007. Best paper was selected by a panel/committee from a total of 83 accepted papers (37.9% acceptance rate). **Paper details:** *Crina Grosan and Ajith Abraham , Exploration of Multiple Roots for a Polynomial System, IEEE Press, USA, ISBN 1-4244-1476-8, pp. 133-137, 2007.*
7. Best technical paper of the 7th International Conference on Computer Information Systems and Industrial Management Applications (CISIM'08), Ostrava, Czech Republic. Best Paper was selected by a panel from a total of 60 accepted papers. **paper details:** *Divyata Dal, Siby Abraham, Ajith Abraham , Sugata Sanyal and Mukund Sanglikar, Evolution induced Secondary Immunity: An Artificial Immune System based Intrusion Detection System, IEEE Computer Society press, USA, ISBN 978-0-7695-3184-7, pp. 61-66, 2008.*
8. Best technical paper of the 2015 International Conference on Computing Communication Control and Automation (ICCUBEA) held in Pune, India. **Paper details:** *Avik Basu, Sanjiban Sekhar Roy, Ajith Abraham, A Novel Diagnostic Approach Based on Support Vector Machine with Linear Kernel for Classifying the Erythematous-Squamous Disease, IEEE, ISBN 978-1-4799-6892-3, pp. 343 - 347, 2015.*

Academic Service Awards

Track Chair of Information and Assurance Track, IEEE International Conference on Information Technology: Coding and Computing (ITCC'04), USA.

Industrial Awards

Engineer of the Project Award, Hyundai Engineering and Construction Company Ltd, Seoul, Korea. The award citation reads '. . . for exemplary conduct and best performance demonstrated in his dutiful and faithful commitment to his job'.

Award Nominations and Others

1. Listed in the First edition of Who's Who of Emerging Leaders, Marquis Who's Who, USA, 2007.
2. Listed in the 61st Edition of Who's Who in America, Marquis Who's Who, USA, 2007.
3. Listed in the 23rd Edition of Who's Who in the World, Marquis Who's Who, USA, 2006, 2007, 2008, 2009, 2010.
4. Listed in the 7th Edition of Who's Who in Science and Engineering, Marquis Who's Who, USA, 2003.
5. Living Legends, International Biographical Centre, Cambridge CB2 3QP, England, UK, 2004.
6. The Worldwide Honours List, International Biographical Centre, Cambridge CB2 3QP, England, UK, 2003.
7. 2000 Outstanding Intellectuals of the 21st Century Order of Excellence, International Biographical Centre, Cambridge CB2 3QP, England, UK, 2003.

8. 2000 Outstanding Scientists of the 21st Century International Biographical Centre, Cambridge CB2 3QP, England, UK, 2003.
9. Honorary Member of Research Board of Advisors, The American Biographical Institute Inc., 2001.

JOURNAL EDITOR

Editorial Board Memberships in International Journals

1. Editor in Chief, Engineering Applications of Artificial Intelligence, Elsevier Science, The Netherlands (2016 -).
2. Founding Co-Editor in Chief and Guest Editor of 1 Special Issue, The International Journal of Hybrid Intelligent Systems (IJHIS), IOS Press, The Netherlands.
3. Founding Editor in Chief, International Journal of Computational Intelligence Research (IJ-CIR), Spain (2004-2008)
4. Founding Editor in Chief, Journal of Information Assurance and Security (JIAS), USA.
5. Editor in Chief, International Journal of Grid and Utility Computing, Inderscience Publishers, Switzerland (2008-2010)
6. Editor in Chief and Guest Editor of 1 Special Issue, International Journal of Autonomic Computing, Inderscience Publishers, Switzerland (2008-2010)
7. Co- Editor in Chief and Guest Editor of 1 Special Issue, International Journal of Computational Intelligence in Bioinformatics and Systems Biology, Inderscience Publishers, Switzerland
8. Editorial Advisory Board, Guest Editor of 1 Special issue, International Journal of Intelligent and Fuzzy Systems, IOS Press, Netherlands
9. Advisory Editor and and Guest Editor of 1 Special Issue, International Journal of Reasoning Based Intelligent Systems, Inder science Publishers, Geneve, Switzerland.
10. Associate Editor, Knowledge and Information Systems, Springer Verlag, Germany
11. Associate Editor, Social Network Analysis and Mining, Springer Verlag, Germany
12. Associate Editor and Guest Editor for 2 Special issues, Neurocomputing, Elsevier Science, The Netherlands
13. Associate Editor, International Journal of Web Services Practices, Seoul, Korea
14. Associate Editor, Advances in Fuzzy Systems, Hindawi Corporation, USA.
15. Associate Editor, International Journal of Biometrics, Inderscience Publishers, Switzerland
16. Associate Editor and Guest Editor for 1 Special Issue, ACM Transactions on Autonomous and Adaptive Systems (TAAS), ACM Press, USA
17. Guest Editor for 1 Special Issue, Fundamenta Informaticae, IOS Press, Netherlands
18. Guest Editor for 2 Special Issues, Information Sciences, Elsevier Science, The Netherlands
19. Guest Editor for 2 Special Issues, International Journal of Neural Computing Applications, Springer Verlag London Ltd., UK
20. Guest Editor for 1 Special Issue, Journal of Fuzzy Optimization and Decision Making, Springer, USA
21. Guest Editor for 2 Special Issues, Journal of Network and Computer Applications, Elsevier Science, The Netherlands.
22. Guest Editor for 1 Special Issue, Informatica: An International Journal of Computing and Informatics, Slovenia
23. Guest Editor for 1 Special Issue, International Journal of Simulation Systems, Science Technology, UK
24. Guest Editor for 1 Special Issue, Journal of Advanced Computational Intelligence and Intelligent Informatics (JACIII), Fuji Press, Japan

25. Guest Editor for 1 Special Issue, International Journal of Image Processing and Communications, ISSN 1425-140X, Poland.
26. Guest Editor for 2 Special Issues, Soft Computing: Soft Computing, Springer Verlag, Germany.
27. Editor and Guest Editor for 2 Special Issues, International Journal on Neural and Mass-Parallel Computing and Information Systems - Neural Network World, Czech Republic.
28. Guest Editor for 1 Special Issue, Multiagent and Grid Systems - An International Journal, IOS Press, The Netherlands
29. Editor and Guest Editor for 1 Special Issue, Journal of Information and Knowledge Management (JIKM), World Scientific, Singapore
30. Editor and Guest Editor for 1 special issue, International Journal of Computational Intelligence and Applications (IJCIA), World Scientific, Singapore
31. Editor and Guest Editor for 2 Special Issues, Journal of Universal Computer Science (J.UCS), Know-Center, Graz, Austria
32. Editor, International Journal of Network Security, Journal of Science Publications, Taiwan
33. Editor and Guest Editor for 3 Special issues, International Journal of Neural Parallel and Scientific Computations (NPSC), Dynamic Publishers Inc. USA
34. Editor and Guest Editor for 1 Special Issue, International Journal of Innovative Computing and Applications, Inderscience Publishers, Switzerland.
35. Editor, International Journal of Power and Energy Conversion, Inderscience Publishers, Switzerland.
36. Editor, IADIS International Journal of Computer Science and Information Systems, Portugal (2007-2009)
37. Editor, International Journal of Soft Computing and Bioinformatics, India (2007-2009)
38. Editor, International Journal of Computational Intelligence: Theory and Practice, India (2007-2009)
39. Editor, International Journal of Medical Sciences and Technology, India (2007-2009)
40. Editor, International Journal of Life Sciences and Technology (IJLST), India (2007-2009)
41. Editor, International Journal of BioSciences and Technology, India (2007-2009)
42. Associate Editor, Guest Editor for 3 Special issues, Journal of Digital Information Management (JDIM), Digital Information Research Foundation, India (2006-2009)
43. Associate Editor, International Journal of Systems Science (IJSS), Taylor Francis, UK (2003-2005)
44. International Advisory Board, International Journal of Software Resuse, California, USA (2007-2009)
45. International Advisory Board, International Journal of Thinking Objectively, California, USA (2007-2009)
46. International Advisory Board, International Journal of Unified Software Engines, California, USA (2007-2009)
47. International Domain Expert, International Journal of Patterns, California, USA (2007-2009)
48. Editor, International Journal of Software Architecture, California, USA (2007-2009)
49. Editor, Advances in Management, India (2007-2008)
50. Editor, International Journal of Theoretical and Applied Computer Sciences (IJTACS), India (2007-2008)
51. Editor, Journal of Educational Technology, i-Manager Publications, India (2004-2006)
52. Editor, Journal of Engineering and Technology, i-Manager Publications, India (2004-2006)
53. Consulting Editor, International Journal of Computational Intelligence in Bioinformatics, India (2006-2007)

54. Consulting Editor, Journal of Advances in Computational Sciences and Technology (ACST), ISSN 0973-6107, India (2006-2007).

CONTRIBUTED RESEARCH PUBLICATIONS

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Authored Books

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2. Kun Ma, Ajith Abraham, Bo Yang, Runyuan Sun, **Intelligent Web Data Management: Software architectures and emerging technologies**, Studies in Computational Intelligence, Springer Verlag, Germany, 2016.
3. Anand Kulkarni, Kai Tang and Ajith Abraham, **Probability Collectives: A Distributed Multi-agent System Approach for Optimization**, Intelligent Systems Reference Library Series, Springer Verlag, Germany, ISBN 978-3-319-15999-7, 2015, 157 p. 2015.
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2. Zahedeh Izakian, Mohammad Saadi Mesgari, Ajith Abraham, Automated clustering of trajectory data using a particle swarm optimization, **Computers, Environment and Urban Systems**, 555-565, 2016.
3. Bighnaraj Naik, Janmenjoy Nayak, H.S. Behera, *Ajith Abraham*, A self adaptive harmony search based functional link higher order ANN for non-linear data classification, **Neurocomputing**, 2016.
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8. Rajni Aron, Inderveer Chana, *Ajith Abraham*, A hyper-heuristic approach for resource provisioning-based scheduling in grid environment, **The Journal of Supercomputing**, 71(4): 1427-1450, 2015.
9. Mrutyunjaya Panda, *Ajith Abraham*, Hybrid Evolutionary Algorithms for Classification Data Mining, **Neural Computing and Applications**, 26(3): 507-523, 2015.
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11. Mrutyunjaya Panda, *Ajith Abraham* and Manas Ranjan Patra, Hybrid Intelligent Systems for Detecting Network Intrusions, **Journal of Security and Communication Networks**, 8(16): 2741-2749, 2015.
12. Varun Kumar Ojha, Konrad Jackowski, *Ajith Abraham*, Vclav Sn?el, Dimensionality reduction, and function approximation of poly(lactic-co-glycolic acid) micro- and nanoparticle dissolution rate, **International Journal of Nanomedicine**, 10: 11191129, 2015.
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490. Baikunth Nath and Ajith Abraham , Parallel Machine Scheduling using Genetic Algorithms, In Proceedings of International AMSE conference on Computer Modeling, Simulation and Communication, CMSC-99, Mahanti P.K. Dhyani P. (Eds.), ISBN 0074637525, Tata McGraw-Hill Publishing Co. Ltd, India, pp. 124-128, 1999.

OTHER PUBLICATIONS

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1. Ajith Abraham , Evolving Smart Information Systems: Challenges, Perspectives and Applications, Third International Conference on Trends in Information Sciences and Engineering (TISE 2011), Chennai, India, 2011 [Plenary Talk].
2. Ajith Araham, ICT for Social Revolutions: Challenges, Perspectives and Applications, First Indo-Czech Synergy Programme on Advances in Information and Communication Technologies, Nagpur, India, August 2011 [Invited Talk].
3. Ajith Abraham , Counter Terrorism: Technologies, Challenges and Applications, National Workshop on Cyber Security, Kochi, India, August 2011 [Invited Talk].
4. Ajith Abraham , Publish or Perish: Surviving the Academic Challenge, One day Workshop on ICT Research, Delhi, India, August 2011 [Invited Talk].
5. Ajith Abraham , Publish or Perish: Surviving the Academic Challenge, One day Workshop on ICT Research, Gwalior, India, August 2011 [Invited Talk].
6. Ajith Abraham , Evolving Future Information Systems: Challenges, Perspectives and Applications, The 11th International Conference on Computational Science and Its Applications (ICCSA 2011), Santander, Spain, Springer Verlag, Germany, LNCS, 2011 [Plenary Talk].
7. Ajith Abraham , Quo-Vadis Hybrid Intelligent Systems: Architectures, Challenges and Applications, 7th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2011), Springer Verlag, Germany, LNAI 6678, ISBN 978-3-642-21218, pp. 30, 2011 (Plenary Talk).
8. Ajith Abraham , Evolving Smart Information Systems: Role of Soft Computing, International Conference on Soft Computing Models in Industrial and Environmental Applications Salamanca, Spain, Springer Verlag, Germany, 2011 (Plenary Talk).
9. Ajith Abraham , Nature Inspired Meta-heuristics: Quo Vadis? Fourth International Conference on Genetic and Evolutionary Computing (ICGEC 2010), Shenzhen, China, IEEE, 2010 (Plenary Talk).
10. Ajith Abraham , Counter Terrorism: From Cyber to Real world - The Role of Machine Intelligence, 3rd International Conference on Computational Intelligence in Security for Information Systems (CISIS'10), Leon, Spain, Springer Verlag, Germany, 2010 (Plenary Talk).
11. Ajith Abraham , Evolving Information Systems, Third International Conference on Emerging Trends in Engineering and Technology (ICETET-10), Goa, India, ISBN 978-0-7695-3884-6, IEEE, 2010 (Plenary Talk).
12. Ajith Abraham , Evolving Smart Information Systems, International Workshop on Meta-Heuristics and IT Researchers, IIITM Gwalior, India, 2010 (Plenary Talk).
13. Ajith Abraham , Adaptive Data Structures for Modeling Hybrid Soft Computing Architectures, Fourth International Conference on Neural Parallel and Scientific Computation (NPSC 2010), Atlanta, USA, ISBN 1-890888-05-02, 2010 (Plenary Talk)
14. Ajith Abraham , Combating Terrorism: Soft Computing Technologies and Challenges, International Workshop on Soft Computing Models in Industrial Applications (SOC0 2010), Portugal, 2010 (Plenary Talk).
15. Ajith Abraham , Towards the Evolution of Smart Information Systems, International Conference and Workshop on Software Engineering and Intelligent Systems (SEIS 2010), Ota, Nigeria, 2010 (Plenary Talk).

16. Ajith Abraham , Engineering Hybrid Intelligent Systems: Architectures, Challenges and Perspectives, International Seminar on Intelligent Systems and Soft Computing, University of Granada, Spain, 2010 (Invited Talk).
17. Ajith Abraham , Soft Computing and Terrorism Informatics: Technologies and Challenges, Soft Computing Techniques and Their Engineering Applications (SDP), Gwalior, India, 2010 (Invited Talk).
18. Ajith Abraham , Combating Terrorism: Intelligent Technologies and Challenges, National Conference on Advanced Computing, Kochi, India, 2010 (Keynote Talk).
19. Ajith Abraham , Combating Terrorism: Technologies and Challenges, Terrorism and War: The Changing Relationship between Terrorism, Insurgency and Inter-State War (CSPTV 2010), St Andrews, UK, 2010 (Invited Talk).
20. Ajith Abraham , Soft Intrusion Detection, Prevention and Risk Assesment, Third International Conference on Pattern Recognition and Machine Intelligence (PReMI 2009), New Delhi, India, 2009 (Invited Talk).
21. Ajith Abraham , Engineering Hybrid intelligent systems: From Architecture Design to Advanced Information Processing, IEEE International Conference on Information Science and Engineering (ICISE 2009), Nanjing, China, IEEE Computer Society Press, USA, 2009 (Keynote Talk).
22. Ajith Abraham , Intrusion Detection, Prevention and Real Time Risk Assesment, Eighth International Conference on Mathematical and Computational Models (ICMCM 2009), Coimbatore, India , 2009 (Keynote talk).
23. Ajith Abraham , Machine Intelligence to Network Intelligence, International Seminar on Machine Intelligence, Universitas Yarsi, Jakarta, Indonesia, 2009 (Invited Talk).
24. Shubhangi Giripunje, Preeti Bajaj and Ajith Abraham , Emotion Recognition System Using Connectionist Models, In Proceedings of Thirteenth International Conference on Cognitive and Neural Systems, ICCNS'09, Boston University Press, USA, 2009.
25. Sarina Sulaiman, Siti Mariyam Shamsuddin, Ajith Abraham and Shahida Sulaiman, A Framework of Rough-Cultural Algorithms in Optimizing Mobile Web Caching Performance, Journal of Information technology, ISSN 0128-3790, Universiti Teknologi Malaysia, pp. 118-133, 2008.
26. Ajith Abraham , Natural Computation for Business Intelligence from Web Usage Mining, 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'05), Timisoara, Romania, IEEE CS Press, pp. 3-10, 2005.
27. Soumya Banerjee, Crina Grosan and Ajith Abraham , Modeling Crowd Behavior Using Emotional Ants, Journal of Studia Universitatis Babes-Bolyai, Informatica, Volume L, Number 1, pp. 37-48, 2005.
28. Crina Grosan, Ajith Abraham , Radu Campian, Stefan Tigan, Evolution Strategies for Ranking Several Trigeminal Neuralgia Treatments. Applied Medical Informatics, Volume 17, Issues 3-4, pp. 72-78, 2005.
29. Yuehui Chen, Ju Yang, Bo Yang and Ajith Abraham , Flexible Neural Trees Ensemble for Stock Index Modeling, 2005 IEEE International Conference on Intelligent Computing (ICIC05), CD ROM Proceedings, De-Shuang Huang, Jiming Liu and Seong-Whan Lee (Eds.), Hefei, China, 2005.
30. Crina Grosan and Ajith Abraham , Solving No Free lunch Issues from a Practical Perspective, In Proceedings of Ninth International Conference on Cognitive and Neural Systems, ICCNS'05, Boston University Press, USA, 2005.
31. Maria Ganzha, Marcin Paprzycki, Amalia Pirvanescu, Costin Badica and Ajith Abraham , Jade Based Multi-Agent E-commerce Environment, Analele Universitatii de Vest Timisoara - Seria Matematica/Informatica, Romania, Vol. XLII, pp. 79-100, 2004.
32. Marcin Paprzycki and Ajith Abraham , Agent Systems Today: Methodological Considerations, The International Conference on Management of e-Commerce and e-Government, Jangxi Science and Technology Press, China, ISBN 7539023694, pp. 416-421, 2003.

33. Garima Parakh, Sandhya Rani, Marcin Paprzycki, Ajith Abraham and Johnson Thomas, Agents Capable of Dynamic Negotiations, 3rd International Interdisciplinary Conference on Electronic Commerce, ECOM-03, Electronic Commerce: Research and Development, Paprzycki M. (Editor) ACTEN Press, Poland, pp.113-120, 2003.
34. Sonja Petrovic-Lazerevic, Ajith Abraham and Ken Coghill, Optimising Social Regulation Policies, In Proceedings of the Jugoslovenski simpozijum operacionim istrazivanjima , SYM-OP-IS 2002, Yugoslavia, ISBN 8684231007, Volume III, pp. 25 - 28, 2002.
35. Ajith Abraham , How Important is Meta-Learning in Evolutionary Fuzzy Systems?, In Proceedings of Sixth International Conference on Cognitive and Neural Systems, ICCNS'02, Boston University Press, USA, 2002.
36. Ajith Abraham and Baikunth Nath, Is Evolutionary Design the Solution for Optimizing Neural Networks?, In Proceedings of Fifth International Conference on Cognitive and Neural Systems, ICCNS 2001, Boston University Press, USA, 2001.

BOOK REVIEWS

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1. Ajith Abraham , (Book Review), Learning from data: Concepts, Theory, and Methods, by Cherkassky V., Mulier F., Wiley-IEEE Press, 2007 [Published on May 25, 2008].
2. Ajith Abraham , (Book Review), Handbook of innovative computing: models, enabling technologies, and applications, by Albert Zomaya (Ed.), Springer-Verlag New York, Inc., Secaucus, NJ, 736 pages, 2005 [Published on October 05, 2006].
3. Ajith Abraham , (Book Review) 'Handbook of Learning and Approximate Dynamic Programming' by Si J., Barto A., Powell W., Wunsch D., IEEE press series on computational intelligence, Wiley-IEEE Press, 2005 (Published on March 18, 2005).
4. Ajith Abraham , (Book Review), 'Metacreation: Art and Artificial Life' by Whitelaw M., MIT Press, Cambridge, MA, 281 pages, 2004 (Published on July 02, 2004).
5. Ajith Abraham , (Book Review), 'Evolutionary Algorithms and Agricultural Systems' by Mayer D., Kluwer Academic Publishers, Norwell, MA, 2001. 107 pages (Published on August 28, 2002).

ACADEMIC SERVICES

International Conference Organization

1. Program Chair, 1st European-Middle Asian Conference on Computer Modelling (EMACOM 2015), Kyrgyzstan, 2015.
2. General Co-Chair, 2nd International Afro-European Conference for Industrial Advancement, Villejuif, France, 2015.
3. General Co-Chair, 7th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2015), Fukuoka, Japan, 2015.
4. General Co-Chair, 6th World Congress on Nature and Biologically Inspired Computing (NaBIC'15), Pietermaritzburg, South Africa, 2015.
5. General Co-Chair, 6th International Conference on Computational Aspects of Social Networks (CASoN'15), Pietermaritzburg, South Africa, 2015.
6. General Chair, 6th Conference on Innovations in Bio-inspired Computing and Applications (IBICA'15), Kochi, India, 2015.
7. General Chair, 15th International Conference on Hybrid Intelligent Systems (HIS 15), Seoul, Korea, 2015.
8. General Chair, 11th International Conference on Information Assurance and Security (IAS'11), Marakkesh, Morocco, 2015.

9. General Chair, 15th International Conference on Intelligent Systems Design and Applications, Marrakesh, Morocco, 2015.
10. General Chair, 5th World Congress on Information and Communication Technologies, Marrakesh, Morocco, 2015.
11. Program Chair, Second Euro-China Conference on Intelligent Data Analysis and Applications (ECC 2015), Ostrava, Czech Republic, 2015
12. Program Chair, Ninth European Conference on Data Mining (ECDM 2015), Las Palmas de Gran Canaria, Spain, 2015
13. General Chair, 14th International Conference on Intelligent Systems Design and Applications (ISDA 2014), Okinawa, Japan, 2014.
14. General Chair, 10th International Conference on Information Assurance and Security (IAS 2014), Okinawa, Japan, 2014.
15. General Chair, Fifth World Congress on Information and Communication Technologies (WICT 2014), Malacca, Malaysia, 2014.
16. General Chair, 14th International Conference on Hybrid Intelligent Systems (HIS 2014), Kuwait, 2014.
17. General Chair, 6th International Conference of Soft Computing and Pattern Recognition (SoC-PaR), Tunis, Tunisia, 2014. Ivan Zelinka, Suganthan P.N., Chen G., Vaclav Snasel, Ajith Abraham, Otto Rssler, Proceedings of the International Conference on Prediction, Modeling and Analysis of Complex Systems, Nostradamus 2014, Advances in Intelligent Systems and Computing, Vol. 289, Springer Verlag, ISBN 978-3-319-07401-6, 2014. Jos Gaviria de la Puerta, Ivn Garca Ferreira, Pablo Garca Bringas, Fanny Klett, Ajith Abraham, Andr de Carvalho, Ivaro Herrero, Bruno Baruque, Hctor Quintin, Emilio Corchado, International Joint Conference on SOCO14 - CISIS14 - ICEUTE14, Bilbao, Spain, Springer Verlag, ISBN 978-3-319-07994-3, 2014. Ajith Abraham, Eighth European Conference on Data Mining (ECDM 2014), Lisbon, Portugal, ISBN: 978-989-8704-108, 2014. Jeng-Shyang Pan, Vaclav Snasel, Emilio Corchado, Ajith Abraham, Shyue-Liang Wang, Proceeding of the First Euro-China Conference on Intelligent Data Analysis and Applications, Shenzhen, China, Springer Verlag, ISBN 978-3-319-07772-7, 2014. Pavel Krmer, Ajith Abraham, Vclav Sn?el, Proceedings of the Fifth International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2014), Ostrava, Springer Verlag, ISBN 978-3-319-08155-7, 2014. Ana Maria Madureira, Ajith Abraham, Emilio Corchado, Leonilde Varela, Amlia Loja , Eduardo Solteiro Pires, Azah Kamilah Muda, Kun Ma, 2014 World Congress on Nature and Biologically Inspired Computing (NaBIC 2014), Porto, Portugal, IEEE, ISBN: 978-1-4799-5937-2, 2014. Ana Maria Madureira, Ajith Abraham, Emilio Corchado, Leonilde Varela, Azah Kamilah Muda, Kun Ma, 2014 Sixth International Conference on Computational Aspects of Social Networks (CASoN 2014), Porto, Portugal, IEEE, ISBN: 978-1-4799-5940-2, 2014. Long Thanh Ngo, Ajith Abraham, Lam Thu Bui, Emilio Corchado, Choo Yun-Huoy and Kun Ma, Third World Congress on Information and Communication Technologies (WICT 2013), Hanoi, Vietnam, IEEE, ISBN 978-1-4799-3230-6, IEEE, 2013. Long Thanh Ngo, Ajith Abraham, Lam Thu Bui, Emilio Corchado, Choo Yun-Huoy, Azah Kamilah Muda, Kun Ma, Fifth International Conference of Soft Computing and Pattern Recognition (SoCPaR 2013), Hanoi, Vietnam, IEEE, ISBN: 978-1-4799-3400-3, 2014. Ajith Abraham, Adel Alimi, Tarek Hamdani, Habib Kammoun, Choo Yun Huoy, Ali Wali and Kun Ma, Thirteenth International Conference on Hybrid Intelligent Systems (HIS 2013), Tunisia, IEEE, ISBN: 978-1-4799-2439-4, 2013. Ajith Abraham, Adel Alimi, Ali Wali, Habib Kammoun, Choo Yun Huoy, Kun Ma, Ninth International Conference on Information Assurance and Security (IAS 2013), Tunisia, IEEE, ISBN: 978-1-4799-2990-0, 2013. Ajith Abraham, Nasir Sulaiman, Lilly Suriani Affendey, Dickson Lukose, Emilio Corchado, Choo Yun Huoy, Kun Ma, International Conference on Intelligent Systems Design and Applications (ISDA 2013), Malaysia, IEEE, ISBN 978-1-4799-3516-1, 2013. Ivaro Herrero, Bruno Baruque, Fanny Klett, Ajith Abraham, Vclav Sn?el, Andr de Carvalho, Pablo Garca Bringas, Ivan Zelinka, Hctor Quintin, Emilio Corchado, th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO13), Springer Verlag, Germany, Advances in Intelligent Systems and Computing, Vol. 239, ISBN 978-3-319-01853-9,

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18. Program Chair, 4th International Conference on Intelligent Networking and Collaborative Systems (INCoS'12), Bucharest, Romania, 2012.
 19. General Chair, 5th International Conference on Emerging Trends in Engineering Technology (ICETET'12), Kobe, Japan, 2012.
 20. General Chair, 9th International Conference on Distributed Computing and Artificial Intelligence (DCAI'12), Salamanca, Spain, 2012.
 21. Publication Chair, International Symposium on Intelligent Informatics (ISI'12), Chennai, India, 2012.
 22. Program Chair, 5th International Conference on Computational Intelligence in Security for Information Systems (CISIS 12), Ostrava, Czech Republic , 2012.
 23. Program Chair, 3rd International Conference on EUropean Transnational Education (ICEUTE'12), Ostrava, Czech Republic (Sept. 5-8, 2012).
 24. General Chair, 2nd World Congress on Information and Communication Technologies (WICT'12), Trivandrum, India , 2012.
 25. General Chair, 4th World Congress on Nature and Biologically Inspired Computing (NaBIC'12), Mexico City, Mexico, 2012.
 26. General Chair, 8th International Conference on Information Assurance and Security (IAS 12), Sao Carlos, Brazil, 2012.
 27. General Chair, 8th International Conference on Next Generation Web Services Practices (NWeSP'12:), Sao Carlos, Brazil, 2012.
 28. General Chair, 4th International Conference on Computational Aspects of Social Networks (CASoN'12), Sao Carlos, Brazil, 2012.
 29. General Chair, 12th International Conference on Intelligent Systems Design and Applications (ISDA'12), Cochin, India, 2012.
 30. General Chair, 12th International Conference on Hybrid Intelligent Systems (HIS 12), Pune, India, 2012.
 31. General Chair , 4th International Conference of Soft Computing and Pattern Recognition (SoCPaR'12), Brunie, 2012
 32. General Chair, International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA'12) Kaohsiung, Taiwan, 2012.
 33. General Chair, Innovations in Bio-inspired Computing and Applications (IBICA'11), Shenzhen, China

34. General Chair, World Congress on Information and Communication Technologies (WICT'11), Mumbai, India
35. General Chair, First International Conference on Advances in Computing and communications (ACC'11), Kochi, India
36. General Co-Chair, Fourth International Conference on Multimedia Information Networking and Security (MINES'12), Nanjing, China, 2011.
37. General Co-Chair, Third International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN'11), Bali, Indonesia
38. General Co-Chair, Third International Conference on Computational Intelligence, Modelling Simulation (CIMSIm'11), Langkawi, Malaysia
39. General Co-Chair, Fifth Asia Modelling Symposium (AMS'11), Manila, Philippines
40. General Co-Chair, UKSim 13th International Conference on Computer Modelling and Simulation (UKSim'11), Cambridge, United Kingdom
41. General Co-Chair, Second International Conference on Intelligent Systems, Modelling and Simulation (ISMS 2011), Phnom Penh, Cambodia
42. Program Chair, Proceedings of the Fifth European Conference on Data Mining (ECDM 2011), Rome, Italy
43. General Chair, International Conference on Communication Systems and Network Technologies (CSNT'11), India
44. Program Chair, International Symposium on Distributed Computing and Artificial Intelligence (DCAI'11), Salamanca, Spain, 2011.
45. Publication Chair, 12th International Carpathian Control Conference (ICCC 2011), Czech Republic, May 2011.
46. General Chair, Third International Conference of Soft Computing and Pattern Recognition (SoCPaR 2011), Dalian, China, October 14-16, 2011.
47. General Chair, Third International Conference on Computational Aspects of Social Networks (CASON'11), Salamanca, Spain, October 19-21, 2011.
48. General Chair, Seventh International Conference on Next Generation Web Services Practices (NWESP'11), Salamanca, Spain, October 19-21, 2011.
49. General Chair, Eleventh International Conference on Intelligent Systems Design and Applications (ISDA 11), Cordoba, Spain, 22-24, November 2011.
50. General Chair, Third World Congress on Nature and Biologically Inspired Computing (NaBIC 11), Cairo, Egypt, November 24-26, 2011.
51. General Chair, Third International Conference on Intelligent Networking and Collaborative Systems (INCOS 11), Fukuoka, Japan, November 30 - December 2, 2011.
52. General Co-Chair, Third International Conference on Multimedia Information Networking and Security (MINES 2011), Shanghai, China, November 46, 2011.
53. General Chair, Seventh International Conference on information Assurance and Security (IAS'11), Melaka, Malaysia, December 05-08, 2011.
54. General Chair, Eleventh International Conference on Hybrid Intelligent Systems (HIS'11), Melaka, Malaysia, December 05-08, 2011.
55. General Co-Chair, International Conference on Multimedia Information Networking and Security (MINES 2010), Nanjing, China, November 46, 2010.
56. General Co-Chair, 3rd International Conference on Emerging Trends in Engineering and Technology (ICETET 2010), Goa, India, November 19-21, 2010.
57. General Co-Chair, World Congress on Nature and Biologically Inspired Computing (NaBIC 2010), Kitakyushu, Japan, December 15-17, 2010.
58. General Chair, International conference on Soft Computing and Pattern Recognition (SoCPaR 2010), Paris, France, December 07-10, 2010.

59. General Co-Chair, Tenth International Conference on Intelligent Systems Design and Applications (ISDA 2010), Cairo, Egypt, November 30-December 02, 2010.
60. General Co-Chair, 9th Computer Information Systems and Industrial Management Applications (CISIM'10), Cracow, Poland, October 08-10, 2010.
61. General Co-Chair, International Conference on Computational Aspects of Social Networks (CASoN 2010), Taiyuan, China, September 26-28, 2010.
62. General Chair, Sixth International Conference on Information Assurance and Security (IAS 2010), Atlanta, USA, August 23-25, 2010.
63. General Chair, Tenth International Conference on Hybrid Intelligent Systems (HIS 2010), Atlanta, USA, August 23-25, 2010.
64. Program Chair, Fourth European Conference on Data Mining (ECDM'10), Freiburg, Germany, July 28-30, 2010.
65. General Co-Chair, Fourth Asia International Conference on Modeling Simulation, (AMS 2010), Kota Kinabalu, Malaysia, 26-28 May, 2010.
66. General Co-Chair, 12th International Conference on Computer Modeling and Simulation (UK-SIM 2010), Cambridge, UK, March 24-26, 2010.
67. General Co-Chair, Second International Conference on Computational Intelligence, Modelling and Simulation (CIMSIm 2010), Bali, Indonesia, 2010.
68. General Co-Chair, Second International Conference on Computational Intelligence, Communication Systems and Networks, CICSyN 2010, Liverpool, UK, 2010.
69. General Co-Chair, International Conference on Intelligent Systems, Modelling and Simulation (ISMS 2010), Liverpool, UK, 2010.
70. General Co-Chair, The International Workshop on Cyber Physical and Social Computing (CPSC2009), Brisbane, Australia, 7 -10 July, 2009
71. General Co-Chair, The 8th International Conference on Pervasive Intelligence and Computing (PICom 2009) Chengdu, China December 12-14, 2009
72. General Co-Chair, World Congress on Nature and Biologically Inspired Computing (NaBIC 2009), New Delhi, India, December 09-11, 2009.
73. General Co-Chair, International Conference on Soft Computing and Pattern Recognition (SoC-PaR 2009), Malaysia, December 04-07, 2009.
74. General Co-Chair, Ninth International Conference on Intelligent Systems Design and Applications (ISDA 2009), Pisa, Italy, November 30-December 02, 2009.
75. General Co-Chair, International Conference on Intelligent Networking and Collaborative Systems (INCoS 2009), Barcelona, Spain, November 4-6, 2009.
76. General Co-Chair, Fifth International Conference on Information Assurance and Security (IAS 2009), Xi'an, China, August 18-20, 2009.
77. General Co-Chair, Ninth International Conference on Hybrid Intelligent Systems (HIS 2009), Shenyang, China, August 12 -14, 2009.
78. General Co-Chair, International Conference on Computational Aspects of Social Networks (CASoN 2009), Fontainebleau, France, June 24-27, 2009.
79. Program Chair, Third European Conference on Data Mining (ECDM'09), Algarve, Portugal, June 18-20, 2009.
80. General Co-Chair, Third Asia International Conference on Modelling Simulation, (AMS 2009). Bandung 25-26 May, Bali 29 May 2009.
81. General Co-Chair, 11th International Conference on Computer Modelling and Simulation (UK-SIM 2009), Cambridge, UK, March 25-27, 2009.
82. Tutorial Chair / Program Vice Chair, 2008 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'08), Sydney, Australia, December 9-12, 2008.

83. General Co-Chair, Eighth International Conference on Intelligent Systems Design and Applications, ISDA'08, Taiwan, November 2008.
84. Program Chair, Third IEEE International Conference on Digital Information Management, ICDIM 2008, London, UK, November 2008.
85. General Co-Chair, International Conference on Soft Computing as Transdisciplinary Science and Technology, CSTST 2008, France, October 2008.
86. Program Co-Chair, Third International Conference on Hybrid Artificial Intelligent Systems, (HAIS 2008), Burgos, Spain, September 24-26, 2008.
87. General Co-Chair, Eighth International Conference on Hybrid Intelligent Systems, HIS 2008, Barcelona, Spain, September 2008.
88. General Co-Chair, Fourth International Symposium on Information Assurance and Security, IAS 2008, Naples, Italy, September 2008.
89. General Co-Chair, 2nd European Symposium on Computer Modeling and Simulation, EMS 2008, Liverpool, UK, September 8-10, 2008.
90. Program Chair, IEEE International Conference on the Application of Digital Information and Web Technologies, ICADIWT 2008, August 04-06, 2008.
91. Conference Chair, 7th Computer Information Systems and Industrial Management Applications (CISIM'08), Ostrava, Czech Republic, June 27-28, 2008.
92. Program Chair, Second European Conference on Data Mining, ECDM 2008, Amsterdam, Netherlands, 24 - 26 July 2008.
93. General Co-Chair, Second Asia International Conference on Modelling and Simulation, Kuala Lumpur, Malaysia, 13 - 15 May 2008.
94. General Co-chair, Tenth International Conference on Computer Modeling and Simulation, (UKSIM'08), Cambridge, UK, 1 - 3 April 2008.
95. Program Committee Vice Chair, 2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI'07), Silicon Valley, USA, November 2-5, 2007.
96. Program Co-Chair, Second IEEE International Conference on Digital Information Management, ICDIM 2007, Lyon, France, October 29-31, 2007.
97. General Co-Chair, Seventh International Conference on Intelligent Systems Design and Applications, ISDA'07, Rio de Janeiro, Brazil, October 22-24, 2007.
98. Program Co-Chair, Seventh International Conference on Hybrid Intelligent Systems, HIS'07, Kaiserslautern, Germany, September 17-19, 2007.
99. General Co-Chair, The Third International Symposium on Information Assurance and Security, Manchester, United Kingdom, August 29-31, 2007.
100. Program Chair, First European Conference on Data Mining, Lisbon, Portugal, 6-8 July, 2007
101. Conference Co-Chair, 6th International Conference on Computer Information Systems and Industrial Management Applications - CISIM 2007, Elk, Poland, June 28 30, 2007.
102. General Co-Chair, First Asia International Conference on Modeling and Simulation, Phuket, Thailand, March 27-30, 2007.
103. Program Co-Chair, Sixth International Conference on Hybrid Intelligent Systems, HIS'06, Auckland, New Zealand, December 13-15, 2006.
104. General Co-Chair, Sixth International Conference on Intelligent Systems Design and Applications, ISDA'06, Jinan, China, October 16-18, 2006.
105. Program Co-Chair, International Conference on New Generation Web Services Practices (NWeSP'06), Seoul, Korea, September 25-28, 2006.
106. General Co-Chair, Fifth International Conference on Hybrid Intelligent Systems, HIS'05, Rio de Janeiro - Brazil, November 06-09, 2005.
107. Vice Co-Chair, 5th International Conference on Intelligent Systems Design and Applications, ISDA'05, Wroclaw, Poland, September 08-10, 2005.

108. Program Co-Chair, International Work Conference on New Generation Web Services Practices (NWeSP'05), Seoul, Korea, August 21-25, 2005.
109. General Co-Chair, The Fourth International Workshop on Soft Computing as Transdisciplinary Science and Technology, (WSTST 2005), Muroran, Japan, May 25-27, 2005.
110. Program Co-Chair, First World Congress in Lateral Computing (WCLC'04), Bangalore, India, 17-19 December 2004.
111. General Co-Chair, Fourth International Conference on Hybrid Intelligent Systems, HIS'04, Kitakyushu, Japan, 05-08 December 2004.
112. General Chair, 9th Online World Conference on Soft Computing in Industrial Applications WSC'8, September 20th-October 08th, 2004.
113. Program Co-Chair, Fourth International Conference on Intelligent Systems Design and Applications (ISDA'04), Budapest, Hungary, 26-28 August 2004.
114. General Co-Chair, Third International Conference on Hybrid Intelligent Systems, HIS'03, Melbourne, Australia, 14-17 December 2003.
115. General Chair, Third International Conference on Intelligent Systems Design and Applications (ISDA'03), Tulsa, Oklahoma, 10-13 August 2003.
116. General Co-Chair, Second International Conference on Hybrid Intelligent Systems, HIS'02, Santiago, Chile, 01-04 December 2002.
117. Organizing Co-Chair, First International Workshop on Intelligent Knowledge Management Techniques (IKOMAT'02), Italy, 16-18 September 2002.
118. Organizing Chair, Second International Workshop on Intelligent Systems Design and Applications (ISDA 2002), Atlanta, USA (07-08) August 2002.
119. General Co-Chair, First International Workshop on Hybrid Intelligent Systems, HIS 2001, Adelaide, Australia, (10-11) December 2001.
120. General Co-Chair, First International Workshop on Intelligent Systems Design and Applications, ISDA 2001, San Francisco, USA, May 2001.

International Conference Program Committee Participation

1. International Conference on Man-Machine Interactions, The Beskids - Kocierz Pass, Poland , September 25-27, 2009.
2. IEEE International Conference on Information Reuser and Integration, IRI09, Las Vegas, August 10-12, 2009.
3. International Joint Conferences on Bioinformatics, Systems biology and computational intelligent, Shanghai, China, August 3-6, 2009.
4. International Conference on Advances in Social Networks Analysis and Mining 2009 (ASONAM09), Athens, Greece, July 20-22, 2009.
5. International Work-conference on the Interplay between Natural and Artificial Computation, Santiago, Spain, June 26-28, 2009.
6. IEEE International Conference on Intelligence and Security Informatics, Texas, USA, Jun 8-12, 2009.
7. Workshop on Self-Organization in Multi-Agent Systems, SOMAS 2009, Uppsala, Sweden, June 3-5, 2009.
8. 3rd International KES Symposium on Agents and Multi-agent Systems Technologies and Applications, KES AMSTA 2009, Uppsala, Sweden, June 3-5, 2009.
9. IEEE Congress on Evolutionary Computation, CEC 2009, Trondheim, Norway, 18-21 May 2009.
10. The 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-09), Thailand, 27-30 April, 2009.

11. First International Symposium on Intelligent Decision Technologies, IDT'09, Himeji, Japan, 23-25 April 2009
12. International Conference on Intensive Applications and Services, INTENSIVE 2009, Valencia, Spain, April 21-25, 2009.
13. 5th International Conference on Web Information Systems and Technologies, Lisbon, Portugal, March 23-26, 2009.
14. First International Conference on Human Computer Interaction, HCI2009, Allahabad, India, 20-23 January 2009.
15. International Workshop on Data Mining and Artificial Intelligence (DMAI 2008) in conjunction with 11th International Conference on Computer and Information Technology (ICCI 2008), Khulna, Bangladesh, December 25-27, 2008.
16. 2008 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI'08), Sydney, Australia, December 9-12, 2008.
17. International Conference on Intelligent Data Engineering and Automated Learning (IDEAL'08), Daejeon, South Korea, November 2-5, 2008.
18. International Conference on Knowledge Management, Columbus, Ohio, 23-24 October, 2008.
19. 2008 IEEE International Conference on e-Business Engineering, ICEBE 2008, Xi'an, China, October 22-24, 2008.
20. 3rd International Symposium Advances in Artificial Intelligence and Applications (AAIA'08), Wisla, Poland, October 20-22, 2008.
21. World Automation Congress, WAC 2008, Hawaii, USA, September 28 - October 2, 2008.
22. 3rd International Conference on Hybrid Artificial Intelligence Systems (HAIS 2007), Burgos, Spain, September 24-26, 2008.
23. 34th Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2008, Parma, Italy, September 1-5, 2008.
24. 2008 IEEE International Conference on Granular Computing, Hangzhou, China, Aug 26-28, 2008.
25. The Ninth International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing, SNPD2008, Thailand, August 6 - 8, 2008.
26. International Workshop on Combinations of Intelligent Methods and Applications, CIMA 2008, in conjunction with 18th European Conference on Artificial Intelligence (ECAI-08), Patras, Greece, July 21-22, 2008.
27. IEEE 11th International Conference on Computational Science and Engineering, Sao Paulo - Brazil, July 16-18, 2008.
28. 2008 International Conference on Data Mining (DMIN'07), Las Vegas, USA, July 14-17, 2007.
29. The 2008 IEEE International Conference on Information Reuse and Integration (IEEE IRI-08), Las Vegas, USA, July 13 - 15, 2008
30. 2008 IEEE Conference on Soft Computing and Industrial Applications, June 25-27, 2008.
31. 2008 IEEE World Congress on Computational Intelligence (WCCI 2008), Hong Kong, June 1-6, 2008.
32. International Symposium on Agent and Multi-Agent Systems Technologies and Applications, Wroclaw, Poland, 31 May -1 June 2008.
33. 11th International Conference on Business Information Systems, BIS 2008, Innsbruck, Austria, 5-7 May 2008.
34. 4th International Conference on Web Information Systems and Technologies, WEBIST 2008, Madeira, Portugal, 4 - 7, May 2008.
35. Workshop on Self-Organization in Multi-Agent Systems, SOMAS 2008, in conjunction with 2nd International Symposium on Agents and Multi-Agent Systems - Technologies and Applications, Seoul, Korea, 26 - 28 March 2008.

36. Second International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2008), Polytechnic University of Catalonia, Barcelona, Spain, March 4-7, 2008.
37. 2nd International Conference on Software, Knowledge, Information Management and Applications (SKIMA), Kathmandu, Nepal, 18-21 March 2008.
38. IEEE/ACM International Conference on Signal-Image technology and Internet Based Systems, SITIS 2007, China, December 16-19, 2007.
39. 8th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL'07), Birmingham, UK, 16-19 December, 2007.
40. 2007 International Symposium on Computational Models for Life Sciences CMLS07, Gold Coast, Queensland, Australia, December 17-19, 2007.
41. International Conference on Enterprise Systems and Applications Activity Center, Academia Sinica, Taipei, Taiwan, December 12-13, 2007.
42. 2007 IEEE Asia-Pacific Services Computing Conference (IEEE APSCC 2007) Tsukuba, Japan, December 11-14, 2007.
43. The Third International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), Melbourne, Australia, December 3-6, 2007
44. 6th Mexican International Conference on Artificial Intelligence, Aguascalientes, Mexico, November 4-10, 2007.
45. Steering Committee Member, Third IEEE International Conference on Intelligent Information Hiding and Multimedia Signal Processing, IIHMSPP'07, Kaohsiung, Taiwan, November 26-28, 2007.
46. 2007 International Conference on Convergence Information Technology (ICCIT07), Gyeongju, Korea, November 21 - 23, 2007.
47. 12th Conference of the Spanish Association of Artificial Intelligence Workshop on Technology Transfer on Artificial Intelligence, Salamanca, Spain, November 12-16, 2007.
48. The 6th Congress of Logic Applied to Technology (LAPTEC07), Santos, Brazil, November 7-9, 2007.
49. IEEE/WIC/ACM Workshop on Agents and Data Mining Interaction 2007, (ADMI2007), Silicon Valley, USA, November 2-5, 2007.
50. 2007 IEEE International Conference on Granular Computing Silicon Valley, USA, November 2-4, 2007.
51. 2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI'07), Silicon Valley, USA, November 2-5, 2007.
52. IEEE International Conference on e-Business Engineering (ICEBE'07), Hong Kong October 24-26, 2007.
53. IEEE 7th International Symposium on Bioinformatics and Bioengineering (BIBE 2007), Cambridge - Boston, Massachusetts, USA, October 15-17, 2007.
54. Symposium on Advances in Artificial Intelligence and Applications (AAIA07), Wisla, Poland, October 15-17,2007.
55. 12th Online World Conference on Soft Computing in Industrial Applications (WSC12), on the WWW, September 2007.
56. 2007 IEEE Congress on Evolutionary Computation (CEC), Singapore, September 25-28, 2007.
57. Analysis of Genetic Representations and Operators (AGRO 2007), Special session of the 2007 IEEE Congress on Evolutionary Computation, (CEC), Singapore, September 25-28, 2007.
58. The IEEE Region 8 International Conference on Computer as a tool, (EUROCON 2007), Warsaw, Poland, September 9-12, 2007.
59. 2007 IFIP International Conference on Network and Parallel Computing (NPC 2007), Dalian, China, September 18-21, 2007.

60. 13th International Conference on Soft Computing, Prague, Czech Republic, 5 - 7 September 2007.
61. 33rd EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), Lubeck, Germany, August 27 - 31, 2007.
62. 4th International Conference on Knowledge Management (ICKM 2007), Vienna, Austria, August 27-28, 2007.
63. IEEE International Joint Conference on Neural Networks (IJCNN'07), Orlando, Florida, USA, August 12-17, 2007.
64. The 2007 IEEE International Conference on Information Reuse and Integration, (IEEE IRI'07), Las Vegas, USA, August 13 - 15, 2007.
65. 2007 IEEE Three-Rivers Workshop on Soft computing in Industrial Applications, Passau, Germany, August 1-3, 2007.
66. The International Joint Conference on e-Business and Telecommunications, Barcelona, Spain, July 28-31, 2007.
67. IEEE Joint Conference on E-Commerce Technology (CEC'07) and Enterprise Computing, E-Commerce and E-Services (EEE'07), Tokyo, Japan, July 23-26, 2007.
68. 6th International Conference on Computer Information Systems and Industrial Management Applications, Elk, Poland, June 28 30, 2007.
69. 2007 International Conference on Data Mining (DMIN'07), Las Vegas, USA, June 25-28, 2007.
70. Fourth International Symposium on Neural Networks, (ISNN'07), Nanjing, China, June 3-7, 2007.
71. International Work-conference on the Interplay between Natural and Artificial Computation, IWINAC'07, Murcia, Spain, June 18-21, 2007.
72. The 8th Conference on Computing (CORE 2007), Mexico City, May 16-18, 2007.
73. 10th International Conference on Business Information Systems, (BIS'07), Poznan, Poland, April 25-27, 2007.
74. First International Workshop on P2P, Parallel, Grid and Internet Computing (3PGIC-2007), Vienna, Austria, April 10-13, 2007.
75. First International Conference on Complex, Intelligent and Software Intensive Systems, Vienna, Austria, April 10-13, 2007.
76. Second Information and Communication Technologies International Symposium (ICTIS'2006), Tetuan, Morocco, April 3-5, 2007.
77. IEEE Symposium on Computational Intelligence for Security and Defense Applications (CISDA'07), Hawaii, April 1-5, 2007.
78. 1st International Conference on Digital Communications and Computer Applications, Jordan, March 19-22, 2007.
79. Steering Committee Member, Second International Conference on Intelligent Information Hiding and Multimedia Signal Processing, IIHMSP'06, California, December 18-22, 2006.
80. 2006 IEEE/WIC/ACM International Conference on Web Intelligence (WI-06), Hong Kong, December 18-22, 2006.
81. International Symposium on Fuzzy and Rough Sets (ISFUROS 2006), Santa Clara, Cuba, December 5-8, 2006.
82. First IEEE International Conference on Digital Information Management (ICDIM'06), Bangalore, India, December 6-8, 2006.
83. 15th International Conference on Computing, CIC-2006, Mexico, November 21 - 24, 2006.
84. 5th Mexican International Conference on Artificial Intelligence (MICAI'06), Mexico, November 13-17, 2006.
85. 2006 International Conference on Hybrid Information Technology (ICHIT 2006), Cheju Island, Korea, November 9 - 11, 2006.

86. International Symposium on Artificial Intelligence and Applications (AIA06), Wisla, Poland, November 6-10, 2006.
87. IEEE International Conference on e-Business Engineering (ICEBE), Shanghai, China, Oct 24-26, 2006.
88. European Simulation and Modeling Conference (ESM 2006), Toulouse, France, October 23-25, 2006.
89. 5th International Conference on Computer Information Systems and Industrial Management Applications, Elk, Poland, October 18-20, 2006.
90. 11th Online World Conference on Soft Computing in Industrial Applications (WSC'11), World Wide Web, September 18 - October 06, 2006.
91. 7th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL'06), Burgos, Spain, September 20-23, 2006.
92. First International Conference on Bio-Inspired Computing: Theory and Applications (BIC-TA), Wuhan, China, September 18-22, 2006.
93. 2006 International Conference on Innovative Computing, Information and Control, Beijing Jiaotong University, Beijing, P. R. China, August 30 - September 1, 2006.
94. International Conference on e-Business (IC-B'06), Setubal, Portugal, August 7-10, 2006.
95. 2006 IEEE Congress on Evolutionary Computation (CEC'06), 2006 World Congress in Computational Intelligence, Vancouver, Canada, July 16-21, 2006.
96. 6th International Conference on Recent Advances in Soft Computing (RASC 2006), Canterbury, UK, 10-12, July 2006.
97. 8th IEEE Conference on E-Commerce Technology (CEC'06) and the 3rd IEEE Conference on Enterprise Computing, E-Commerce and E-Services (EEE'06), San Francisco, CA, June 26-29, 2006.
98. The 2006 International Conference on Data Mining, Part of the 2006 World Congress in Computer Sciences, Las Vegas, USA, June 26-29, 2006.
99. 9th International Conference on Business Information Systems, BIS'06, Klagenfurt, Austria, May 31-June 2, 2006.
100. The 12th International Conference on Soft Computing, MENDEL 2006, Brno, Czech Republic, May 31- June2, 2006.
101. The Third IEEE International Symposium on Neural Networks (ISNN 2006), Chengdu, China, May 29-31, 2006.
102. 17th Information Resources Management Association (IRMA) Conference, Washington DC, USA, May 21-24, 2006.
103. 2006 IEEE International Conference on Granular Computing, Atlanta, USA, May 10-12, 2006.
104. Evolutionary Optimization Workshop - EvoOpt 2006, The 19th International FLAIRS Conference, Melbourne Beach, Florida, May 11-13, 2006.
105. The 4th International Multi-Conference on Computer Science and Information Technology, CSIT'06, Amman, Jordan, April 5-7, 2006.
106. Workshop on Learning Algorithms for Pattern Recognition, in conjunction with The 18th Australian Joint Conference on Artificial Intelligence, Sydney, Australia, 5-9 December 2005.
107. 2005 IEEE-ICDM Workshop on MultiAgent Data Warehousing and MultiAgent Data Mining, New Orleans, Louisiana, USA, November 27, 2005.
108. The International Conference on Knowledge Management (ICKM'05), North Carolina, USA, 27-28 October, 2005.
109. The IEEE International Conference on e-Business Engineering (ICEBE'05), Beijing, China, October 18-20, 2005.
110. 2005 European Simulation and Modeling Conference (ESM 2005), Porto, Portugal, 24-26 October, 2005.

111. The 2005 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'05), France, September 19-22, 2005.
112. 10th Online World Conference on Soft Computing in Industrial Applications (WSC'10), September 19th - October 7th, 2005.
113. Poster track Program Committee, International Joint Conference on Artificial Intelligence (IJCAI-05), Edinburgh, Scotland, July 30 - August 5, 2005.
114. 2005 IEEE Midnight-Sun Workshop on Soft Computing Methods in Industrial Applications, Finland, June 28-30, 2005.
115. 2005 IEEE Congress on Evolutionary Computation, Edinburgh, UK, September 2-5, 2005.
116. Agent-Based Computing II- ABC 2005, Mexico, Morocco, Australia, 2005.
117. 10th International Conference on Fuzzy Theory and Technology, Salt Lake City, Utah, USA, July 21-26, 2005.
118. Information and Communication Technologies International Symposium (ICTIS'2005), Tetuan, Morocco, June 03-06, 2005.
119. Workshop on Information Security Assurance and Security (WISA'05), Tetuan, Morocco, June 03-06, 2005.
120. 18th International FLAIRS Conference, Special Track on Integrated Intelligent Systems, Florida, USA, May 16-18, 2005.
121. The 2nd International Conference on Information Technology: Human Computer Interaction, ICIT 2005, Amman, Jordan, May 3-5, 2005.
122. Fifth Congress of Logic Applied to Technology (LAPTEC'05), Hyogo, Japan, April 2-4, 2005.
123. International Work-conference on the Interplay between Natural and Artificial Computation (IWINAC-2005), Las Palmas, Canary Islands (Spain), June 1-4, 2005.
124. 11th International Mendel Conference on Soft Computing (MENDEL'05), Brno, Czech Republic, June 2005.
125. 8th International Conference on Business Information Systems (BIS 2005), Poznan, Poland, April 20 - 22, 2005.
126. International Conference on Coding and Computing (ITCC'05), Las Vegas, USA, April 11-13, 2005.
127. 5th International Conference on Recent Advances in Soft Computing (RASC 2004), Nottingham, UK, December 16-18, 2004.
128. International Conference on Knowledge Management (ICKM'04), Singapore, December 13-15, 2004.
129. 2004 IEEE/WIC International Conference on Web Intelligence (WI 2004), Beijing, China, September 20-24, 2004.
130. International Conference on Signal Processing, Anakkale, Turkey, September 15-17, 2004.
131. 2004 International Conference on Artificial Intelligence and Neural Networks, Anakkale, Turkey, July 14-16, 2004.
132. 2004 IEEE Congress on Evolutionary Computation (CEC2004), Portland, USA, 19-23 June 2004.
133. International Conference on Educational Technologies, Anakkale, Turkey, May 26-28, 2004.
134. International Conference on Coding and Computing (ITCC'04), Las Vegas, USA, April 05-07, 2004.
135. 7th International Conference on Business Information Systems, BIS'04, Poznan, Poland. April 21-23, 2004.
136. 2004 International Workshop on Hybrid Methods for Adaptive Systems, Aachen, Germany, 10-12 June 2004.

137. 10th International Mendel Conference on Soft Computing (MENDEL'04), Brno, Czech Republic, June 2004.
138. HiPC 2003 Workshop on Soft-Computing (WoSCo'03), Hyderabad, India, December 2003.
139. 8th Online World Conference on Soft Computing in Industrial Applications WSC 8, September 29th-October 10th, 2003.
140. 2003 MidSouth Computational Biology and Bioinformatics Society (MCBIOS), Arkansas, USA, 2003.
141. 2003 IEEE/WIC International Conference on Web Intelligence (WI 2003), Beijing, China, October 2003.
142. 2003 IEEE Congress on Evolutionary Computation (CEC2003), Canberra, Australia, December 8-12, 2003. 88. International Conference on Applied Artificial Intelligence, 15-17, December 2003, India.
143. Knowledge-Based Intelligent Information & Engineering Systems, 3- 5 September 2003, Oxford, United Kingdom.
144. 12th International Conference on Intelligent and Adaptive Systems and Software Engineering, July 9-11, 2003, San Francisco, USA.
145. 7th International Work Conference on Artificial and Natural Neural Networks, June 3-6, 2003, Spain.
146. 9th International Mendel Conference on Soft Computing (MENDEL'03), Brno, Czech Republic, June 2003.
147. HiPC 2002 Workshop on Soft Computing (WoSCo'02), December 18, 2002, India.
148. 7th Online World Conference on Soft Computing in Industrial Applications (WSC7), 23 September - 10 October 2002.
149. 2002 WSES International Conference on Mathematics, Optimization and Applications, Poland, 01-05 September 2002.
150. 2002 International Conference on Machine Learning and Applications (ICMLA'02), June 2002.
151. 8th International Mendel Conference on Soft Computing, Brno, Czech Republic, June 2002.
152. 2001 WSES International Conference on Mathematics, Optimization and Applications, Cairns, Australia, 17-21 December 2001.
153. 7th International Mendel Conference on Soft Computing, Brno, Czech Republic, June 2001. 100. The 2001 International Conference on Artificial Intelligence, ICAI 2001, Las Vegas, USA, June 2001.
154. The 2001 International Conference on Mathematics and Engineering Techniques in Medicine and Biological Sciences, METMBS'01, Las Vegas, USA, June 2001.

Organization of Special Sessions/Workshop/Track

1. Fourth International Workshop on Evolutionary Multiobjective Optimization – Design and Applications (EMODA'08), Kaohsiung, Taiwan, October 2008.
2. The 2nd International Workshop on Web Grid based Virtual Laboratories, Experimenting and Simulation (WG-LES2008), Kaohsiung, Taiwan, October 2008.
3. Workshop on Intelligent Soft Computing Approaches to Multimedia Processing (ISCAMP'2008), Kaohsiung, Taiwan, October 2008.
4. International Workshop on Intelligent Soft Computing Approaches to Multimedia Processing, (ISCAMP'2007), Kaohsiung City, Taiwan, November 26-28, 2007.
5. Hybrid Artificial Intelligence Systems Workshop (HAIS'07 - CAEPIA'07)in Conjunction with The Conference of the Spanish Association for Artificial Intelligence (CAEPIA), Salamanca, Spain, November 2007.

6. EMOA'07: International Workshop on Evolutionary Multiobjective Optimization: Design and Applications in conjunction with The Seventh International Conference on Intelligent Systems Design and Applications, ISDA'07, Rio de Janeiro, Brazil, October 22-24, 2007.
7. 1st International Workshop on Web Grid based Virtual Laboratories, Experimenting and Simulation (WG-LES2007) in conjunction with The Seventh International Conference on Intelligent Systems Design and Applications, ISDA'07, Rio de Janeiro, Brazil, October 22-24, 2007.
8. NCA'07: Natural Computing and Applications, in conjunction with 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing Timisoara, Romania, September 26-29, 2007.
9. International Workshop on Intrusion Prevention Systems (IWIPS'07), in conjunction with The Third International Symposium on Information Assurance and Security (IAS'07), Manchester, United Kingdom, August 29 - 31, 2007.
10. International Workshop on Soft Computing in Intelligent Multimedia, Seoul Olympic Parktel, Seoul, Korea, April 26-28, 2007.
11. IAPLM'06: The First International Workshop on Intelligent Application in Product Lifecycle Management, Jinan, China, October 16-18, 2006.
12. EMOA'06: International Workshop on Evolutionary Multiobjective Optimization: Design and Applications in conjunction with The Sixth International Conference on Intelligent Systems Design and Applications, ISDA'06, Jinan, China, October 16-18, 2006.
13. SIP'06: Swarm Intelligence and Patterns, SIP'05: Swarm Intelligence and Patterns, in conjunction with The Sixth International Conference on Intelligent Systems Design and Applications, ISDA'06, Jinan, China, October 16-18, 2006.
14. NCA'06: Natural Computing and Applications, in conjunction with 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing Timisoara, Romania September 26-29, 2006.
15. Session on 'Hybrid Neurocomputing in Financial Modeling and Forecasting' in conjunction with The Third International Symposium on Neural Networks (ISNN 2006), Chengdu, China, May 29-31, 2006.
16. NCA'05: Natural Computing and Applications, in conjunction with 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timisoara, Romania, September 25 - 29, 2005.
17. EMOA'05: International Workshop on Evolutionary Multiobjective Optimization: Design and Applications (EMOA'05), in conjunction with 5th International Conference on Intelligent Systems Design and Applications, ISDA'05, Wroclaw, Poland, September 08-10, 2005.
18. IAS'05: Information Assurance and Security, in conjunction with International Conference on Information Technology: Coding and Computing (ITCC 2005), April 11-13, 2005, Las Vegas, USA.
19. SIP'05: Swarm Intelligence and Patterns, in conjunction with The Fourth International Workshop on Soft Computing as Transdisciplinary Science and Technology, WSTST'05, Muroran, Japan, May 25-27, 2005.
20. SIP'04: Swarm Intelligence and Patterns, International Workshop Session in conjunction with ISDA'04 - 4th International Conference on Intelligent Systems Design and Applications, August 26-28, 2004, Budapest, Hungary.
21. IAS'04: Information Assurance and Security, International Conference on Information Technology: Coding and Computing (ITCC 2004), April 5-7, 2004, The Orleans, Las Vegas, Nevada, USA.
22. NF'03: Neural Network and Fuzzy Systems, 7th International Work Conference on Artificial and Natural Neural Networks, June 3-6, 2003, Spain.
23. CIM'03: Computational Intelligence in Management, 2003 EURO/INFORMS Joint International Meeting, July 6, 2003 - July 10, 2003 Istanbul, Turkey.

Technical Reviews for International Journals

1. IEEE Intelligent Systems
2. European Journal of Operational Research
3. IEEE Transactions on Neural Networks
4. Fuzzy Sets and Systems, Elsevier Science, Netherlands
5. IEEE Transactions on Knowledge and Data Engineering
6. IEEE Transactions on Fuzzy Systems
7. IEEE Transactions on Systems, Man and Cybernetics
8. IEEE Transactions on Evolutionary Computation
9. IEEE Power Engineering Transactions, IEEE Power Engineering Society, USA
10. International Journal of Approximate Reasoning, Elsevier Science, Netherlands
11. Web Intelligence and Agent Systems, WIAS Journal, IOS Press, Netherlands
12. Engineering Applications of Artificial Intelligence, Elsevier Science, Netherlands
13. Applied Soft Computing, Elsevier Science, Netherlands
14. Applied Intelligence, Kluwer Academic Publishers, The Netherlands
15. DNA and Cell Biology
16. ACM SIGKDD Explorations
17. International Journal of Intelligent and Fuzzy Systems, IOS Press, Netherlands
18. Journal of Fuzzy Optimization and Decision Making, Kluwer Academic Publishers, USA
19. Neurocomputing Journal, Elsevier Science, Netherlands
20. Information Sciences, Elsevier Science, Netherlands
21. Decision Support Systems, Elsevier Science, Netherlands
22. Journal of Network and Computer Applications, Elsevier Science, Netherlands
23. International Journal of Neural Computing Applications, Springer-Verlag, London
24. International Journal of Neural, Parallel & Scientific Computations, USA
25. International Journal of Control and Intelligent Systems, IASTED, Canada
26. Parallel and Distributed Computing Practices, Nova Publishers, USA
27. Informatica - An International Journal of Computing and Informatics
28. Bioinformatics Journal, European Bioinformatics Institute
29. ACM Computing Reviews, Association for Computing Machinery, USA
30. ACM Crossroads
31. International Journal of Production Research, Taylor and Francis, UK
32. Genetic Programming and Evolvable Machines, Springer Verlag, Germany
33. Image Processing and Communications: An International Journal, Poland
34. Arabian Journal of Computer Science, Saudi Arabia
35. International Journal of Network Security, Taiwan
36. Artificial Intelligence in Medicine, Elsevier Science, Netherlands

Faculty Promotion Committees Served

- *Lecturer to Senior Lecturer*, University of Manchester, Manchester, UK (2006)
- *Assistant Professor to Associate Professor*, Southern Illinois University, Carbondale, IL, USA (2006)
- *Lecturer to Senior Lecturer*, Monash University, Melbourne, Australia (2007)
- *Reappointment as Associate Professor*, Nanyang Technological University, Singapore (2007)

Faculty Services

1. Department of Computer Science, Oklahoma State University, Faculty Search Committee Member (2002 - 2003).
2. Department of Computer Science, Oklahoma State University, Faculty Graduate Committee Member (2002-2003).

Evaluator of Research Grant Applications

1. University of Leuven, Belgium.
2. King Fahd University of Petroleum and Minerals, Saudi Arabia.
3. Czech Academy of Sciences, Prague, Czech Republic.
4. Arab Open University, Kuwait.

PROFESSIONAL MEMBERSHIPS AND TECHNICAL SOCIETY/WORKING GROUP MEMBERSHIPS

1. Senior Member, IEEE - Institution of Electrical Electronics Engineers Inc, USA
2. Senior Member, IEEE Computer Society, USA
3. Member, IEAust - Institution of Engineers, Australia
4. Member, IEE - Institution of Electrical Engineers, United Kingdom
5. Member, ACM - Association for Computing Machinery, USA
6. Member, WFSC - World Federation on Soft Computing
7. Member, EUSFLAT - European Society for Fuzzy Logic and Technology, (Working Group on Neuro-Fuzzy Systems)
8. Member, EvoNet, European Network for Excellence in Evolutionary Computing
9. Member, EU/ME, European Chapter on Metaheuristics, Working Group of the The Association of European Operational Research Societies, Europe

ACADEMIC FELLOWSHIPS / TRAVEL GRANTS

1. Center of Excellence in Information Technology and Telecommunications, State of Oklahoma, US\$1,500, 2003.
2. Cognitive and Neural Systems (ICCNS'02), Fellowship funded by the Office of Naval Research: US\$1,500, 2002.
3. Cognitive and Neural Systems (ICCNS'01) Fellowship funded by Office of Naval Research: US\$1,367, 2001.
4. Monash Postgraduate Travel Fellowship for AU\$1,500.00 (May 2001).
5. Monash Postgraduate Travel Fellowship for AU\$1,915.00 (December 2000).
6. Monash Post Graduate Travel Fellowship for AU\$1,665.00 (April 2000).
7. Monash Graduate Fellowship (AU\$17,606.00/annum, 1999-2001).

MISC. INFORMATION

Personal Details, Special Skills etc.

- Citizenship: Australian (naturalized)
- Management: Collaborative research, software project management, business start-up planning.
- Software development: Algorithms
- Programming languages: C, C++, FORTRAN
- Software: MATLAB, AutoCAD, Visio, PSpice, TLCADD etc.,
- Operating Systems: DEC UNIX, SGI IRIX, Microsoft Windows

REFERENCES

Available upon request

I hereby state that the statements made above are true to the best of my knowledge and belief. For further information, please feel free to contact me.

Ajith Abraham