

2007 Index

The International Arab Journal of Information Technology

Vol.4

This index covers all papers that appeared in IAJIT during 2007. The author's index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthor's names, the title of the paper, journal abbreviation, month, year, and inclusive pages. The subject's index contains entries describing the item under all appropriate subject headings based on the keywords specified by the authors. Each entry includes the title of the paper, the author's names, journal abbreviation, month, year, and inclusive pages.

Author Index

- Abbassi H. A.**, see Kermiche S., *IAJIT January 2007 26-32*.
- Abdel Qader H.**, Ramli A., and Al-Haddad S., fingerprint recognition using Zernike moments, *IAJIT October 2007 372-376*.
- Abdullah A.**, see Chimplee W., *IAJIT July 2007 247-254*.
- Abu-Dawwas W.**, see Chimir I., *IAJIT October 2007 330-337*.
- Aderounmu G.**, see Ogwu F., *IAJIT January 2007 33-40*.
- Adetoye A.**, see Ogwu F., *IAJIT January 2007 33-40*.
- Al Daoud E.**, quantum computing for solving a system of nonlinear equations over GF(q), *IAJIT July 2007 204-205*.
- Al Mubaid H.**, a learning-classification based approach for word prediction, *IAJIT July 2007 264-271*.
- Alahdal T.**, see Alsaih A., *IAJIT January 2007 73-81*.
- Al-Haddad S.**, see Abdel Qader H., *IAJIT October 2007 372-376*.
- AlJaam J. M.**, experiments of intelligent algorithms on Ramsey graphs, *IAJIT April 2007 164-167*.
- Al-Jaroodi J.**, routing security in open/dynamic mobile ad hoc networks, *IAJIT January 2007 17-25*.
- Alqadi R.** and Khammash M., an efficient parallel gauss-seidel algorithm for the solution of load flow problems, *IAJIT April 2007 148-152*.
- Alsaih A.** and Alahdal T., non-real time reliable multicast protocol using sub-sub-casting, *IAJIT January 2007 73-81*.
- Al-Zobaidy L.**, see Sarhan N. S., *IAJIT January 2007 82-87*.
- Ariffin A.**, see Kuokkwee W., *IAJIT April 2007 117-124*.
- Aris H.** and Salim S. S., the development of a simplified process model for CBSD, *IAJIT April 2007 89-96*.
- Arman N.**, fault detection in dynamic rule bases using spanning trees and disjoint sets, *IAJIT January 2007 67-72*.
- Baba-hamed L.** and Belbachir H., the priority of rules and the termination analysis using petri nets, *IAJIT April 2007 176-182*.
- Belbachir H.**, see Baba-hamed L., *IAJIT April 2007 176-182*.
- Ben Ahmed M.**, see Zribi C., *IAJIT October 2007 322-329*.
- Boucheham B.**, dimensionality reduction in time series: a PLA-block-sorting method, *IAJIT October 2007 307-312*.
- Bouhadada T.** and Laskri M., SAPIENCE: a simulator of interactive pedagogical activities for distance learning environment, *IAJIT October 2007 345-352*.
- Boukelif A.**, see Faraoun K., *IAJIT July 2007 237-246*.
- Chahir Y.**, see Mostefai M., *IAJIT January 2007 11-16*.
- Cherfa A.**, see Cherfa Y., *IAJIT July 2007 281-288*.
- Cherfa Y.**, Cherfa A., Kabir Y., Kassous S., Jaillard A., Dojat M., and Garbay C., segmentation of magnetic resonance brain images using edge and region cooperation characterization of stroke lesions, *IAJIT July 2007 281-288*.
- Chimir I.** and Abu-Dawwas W., deductive inference in the context of the dialogue process, *IAJIT October 2007 330-337*.
- Chimplee S.**, see Chimplee W., *IAJIT July 2007 247-254*.
- Chimplee W.**, Abdullah A., Sap M., Chimplee S., and Srinoy S., a rough-fuzzy hybrid algorithm for computer intrusion detection, *IAJIT July 2007 247-254*.
- Coward D.**, see Issa A., *IAJIT January 2007 41-49*.
- Daman D.**, see Rahim M., *IAJIT July 2007 272-280*.
- Dbouk M.**, GEOW@re: a multipurpose geo-based groupware platform using integrated approach, *IAJIT July 2007 255-263*.
- Debyeche M.**, Haton J., and Houacine A., improved vector quantization approach for discrete HMM speech recognition system, *IAJIT October 2007 338-344*.
- Deris S.**, see Jawawi D., *IAJIT July 2007 220-228*.
- Djamil M.**, see Mostefai M., *IAJIT January 2007 11-16*.
- Dojat M.**, see Cherfa Y., *IAJIT July 2007 281-288*.
- Duwairi R.**, arabic text categorization, *IAJIT April 2007 125-132*.
- Elberrichi Z.**, see Rahmoun A., *IAJIT October 2007 377-385*.
- Eldrandaly K.**, an Intelligent MCDM approach for selecting the suitable expert system building tool, *IAJIT October 2007 365-371*.
- Elhag E.**, and Othman M., adaptive contention window scheme for WLANs, *IAJIT October 2007 313-321*.
- Fahmy M.**, automated student's courses registration using computer-telephony integration, *IAJIT October 2007 353-358*.
- Faraoun K.** and Boukelif A., genetic programming approach for multi category pattern classification applied to network intrusions detection, *IAJIT July 2007 237-246*.
- Ganesh S.**, Vijayalakshmi M., and Kannan A., intelligent agent based approach for transaction processing in mobile database systems, *IAJIT April 2007 97-102*.
- Garbay C.**, see Cherfa Y., *IAJIT July 2007 281-288*.
- Geetha T.**, see Saraswathi S., *IAJIT July 2007 214-219*.
- Gutub A. A.**, area flexible GF(2ⁿ) elliptic curve cryptography coprocessor, *IAJIT January 2007 1-10*.
- Haton J.**, see Debyeche M., *IAJIT October 2007 338-344*.
- Hattab E.**, updating search engines using meta-updates, *IAJIT October 2007 301-306*.
- Houacine A.**, see Debyeche M., *IAJIT October 2007 338-344*.
- Ibrahim M.**, distributed network management with secured mobile agent support, *IAJIT July 2007 229-236*.
- Islam R.**, see Khalifa O., *IAJIT October 2007 359-364*.
- Issa A.**, Odeh M., and Coward D., can function points be mapped to object points?, *IAJIT January 2007 41-49*.
- Jaillard A.**, see Cherfa Y., *IAJIT July 2007 281-288*.
- Jantan A.**, see Natsheh E., *IAJIT January 2007 50-59*.
- Jantan A.**, see Natsheh E., *IAJIT July 2007 191-200*.
- Jawawi D.**, Deris S., and Mamat R., software reuse for mobile robot applications through analysis patterns, *IAJIT July 2007 220-228*.
- Kabir Y.**, see Cherfa Y., *IAJIT July 2007 281-288*.
- Kannan A.**, see Ganesh S., *IAJIT April 2007 97-102*.
- Kassous S.**, see Cherfa Y., *IAJIT July 2007 281-288*.
- Kermiche S.**, Larbi S. M., and Abbassi H. A., fuzzy logic control of robot manipulator in the presence of fixed obstacle, *IAJIT January 2007 26-32*.
- Khalifa O.**, Khan S., Islam R., and Suleiman A., Malaysian vehicle license plate recognition, *IAJIT October 2007 359-364*.
- Khammash M.**, see Alqadi R., *IAJIT April 2007 148-152*.
- Khan S.**, see Khalifa O., *IAJIT October 2007 359-364*.
- Khatun S.**, see Natsheh E., *IAJIT January 2007 50-59*.
- Khatun S.**, see Natsheh E., *IAJIT July 2007 191-200*.
- Kuokkwee W.**, Othman M., Shamala S., and Ariffin A., enhanced dynamic bandwidth allocation proportional to queue length with threshold value for VBR traffic, *IAJIT April 2007 117-124*.
- Kurmin N.**, see Rahim M., *IAJIT July 2007 272-280*.
- Lachachi D.**, see Mahboub M., *IAJIT October 2007 386-390*.
- Larbi S. M.**, see Kermiche S., *IAJIT January 2007 26-32*.

Laskri M., see Bouhadada T., *IAJIT October 2007 345-352*.

Mahboub M. and Lachachi D., parallelization of the resampling image filter, *IAJIT October 2007 386-390*.

Mamat R., see Jawawi D., *IAJIT July 2007 220-228*.

Marchetto A. and Trentini A. a framework to build quality models for web applications, *IAJIT April 2007 168-168*.

Moradi H., See Samie M., *IAJIT July 2007 184-190*.

Mostefai M., Djamilia M., and Chahir Y., efficient real time face tracking operator study and implementation within virtex FPGA technology, *IAJIT January 2007 11-16*.

Nada F., performance analysis of mobile IPv4 and mobile IPv6, *IAJIT April 2007 153-160*.

Natsheh E., Jantan A. B., Khatun S., and Subramaniam S., fuzzy active queue management for congestion control in wireless ad-hoc, *IAJIT January 2007 50-59*

Natsheh E., Jantan A. B., Khatun S., and Subramaniam S., adaptive optimization of hello messages in wireless ad-hoc networks, *IAJIT July 2007 191-200*.

Odeh M., see Issa A., *IAJIT January 2007 41-49*

Ogwu F., Talib M., Aderounmu G., and Adetoye A., a framework for quality of service in mobile ad hoc networks, *IAJIT January 2007 33-40*.

Othman M., see Elhag E., *IAJIT October 2007 313-321*.

Othman M., see Kuokkwee W., *IAJIT April 2007 117-124*

Rahim M., Kurmin N., Wahid M., and Daman D., equi-join table optimization technique for temporal data, *IAJIT July 2007 272-280*.

Rahmoun A. and Elberrichi Z., experimenting n-grams in text categorization, *IAJIT October 2007 377-385*.

Ramli A., see Abdel Qader H., *IAJIT October 2007 372-376*.

Saberi N., See Samie M., *IAJIT July 2007 184-190*.

Sahri S., SD-SQL server: scalable distributed database system, *IAJIT April 2007 103-107*.

Salim S., see Aris H., *IAJIT April 2007 89-96*

Samie M., Moradi H., and Saberi N., data split and its effect on optimizing the database access time in mobile networks, *IAJIT July 2007 184-190*.

Sap M., see Chimplee W., *IAJIT July 2007 247-254*.

Saraswathi S. and Geetha T., morpheme based language model for Tamil speech recognition system, *IAJIT July 2007 214-219*.

Sarhan N. S., and Al-Zobaidy L., recognition of printed assyrian character based on neocognitron artificial neural network, *IAJIT January 2007 82-87*.

Sari T. and Sellami M., overview of some algorithms of off-line arabic handwriting segmentation, *IAJIT October 2007 289-300*.

Sellami M., see Sari T., *IAJIT October 2007 289-300*.

Shamala S., see Kuokkwee W., *IAJIT April 2007 117-124*.

Srinoy S., see Chimplee W., *IAJIT July 2007 247-254*.

Subramaniam S., see Natsheh E., *IAJIT January 2007 50-59*

Subramaniam S., see Natsheh E., *IAJIT July 2007 191-200*.

Suleiman A., see Khalifa O., *IAJIT October 2007 359-364*.

Taibi F. and Taibi T., a service-level security protocol for bluetooth scatternets, *IAJIT January 2007 60-66*

Taibi T., see Taibi F., *IAJIT January 2007 60-66*

Talib M., see Ogwu F., *IAJIT January 2007 33-40*

Torjmen A., see Zribi C., *IAJIT October 2007 322-329*.

Trentini A., see Marchetto A., *IAJIT April 2007 168-168*

Vijayalakshmi M., see Ganesh S., *IAJIT April 2007 97-102*.

Wahid M., see Rahim M., *IAJIT July 2007 272-280*.

Wang Z., Xu X., and Zhan D., an extended feature modelling based component model for performance evaluation, *IAJIT April 2007 108-116*.

Xu X., see Wang Z., *IAJIT April 2007 108-116*.

Yaghi J., see Yagi S., *IAJIT July 2007 206-213*.

Yagi S. and Yaghi J., tracking morphophonemic transformation in arabic word generation and root extraction, *IAJIT July 2007 206-213*.

Zaied A. N., a framework for evaluating and selecting learning technologies, *IAJIT April 2007 141-147*.

Zhan D., see Wang Z., *IAJIT April 2007 108-116*

Zreikat A., numerical solution of one GSM cell using MOSEL-2 language, *IAJIT April 2007 133-140*.

Zribi C., Torjmen A., and Ben Ahmed M., a multi-agent system for pos-tagging vocalized Arabic texts, *IAJIT October 2007 322-329*.

Subject Index

20 news groups

experimentingN-grams in text categorization, Rahmoun A., +, *IAJIT October 2007 377-385*.

Access rate

data split and its effect on optimizing the database access time in mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Access time

data split and its effect on optimizing the database access time in mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Active database

the priority of rules and the termination analysis using petri nets, Baba-hamed L., +, *IAJIT April 2007 177-181*.

Active queue management

fuzzy active queue management for congestion control in wireless ad-hoc, Natsheh E., +, *IAJIT January 2007 50-59*.

ACW

adaptive contention window scheme for WLANs, Elhag E., +, *IAJIT October 2007 313-321*.

Ad hoc networks

routing security in open/dynamic mobile ad hoc networks, Al-Jaroodi J., *IAJIT January 2007 17-25*

fuzzy active queue management for congestion control in wireless ad-hoc, Natsheh E., +, *IAJIT January 2007 50-59*.

adaptive optimization of hello messages in wireless ad-hoc networks, Natsheh E., +, *IAJIT July 2007 191-200*.

Agent server

distributed network management with secured mobile agent support, Ibrahim M., *IAJIT July 2007 229-236*.

Agent transfer protocol

distributed network management with secured mobile agent support, Ibrahim M., *IAJIT July 2007 229-236*.

AHP

an intelligent MCDM approach for selecting the suitable expert system building tool, Eldrandaly K., *IAJIT October 2007 365-371*.

Analysis pattern

software reuse for mobile robot applications through analysis patterns, Jawawi D., +, *IAJIT July 2007 220-228*.

Anisotropic filtering

segmentation of magnetic resonance brain images using edge and region cooperation characterization of stroke lesions, Cherfa Y., +, *IAJIT July 2007 281-288*.

Anomaly detection

a rough-fuzzy hybrid algorithm for computer intrusion detection, Chimplee W., +, *IAJIT July 2007 247-254*.

AODV

adaptive optimization of hello messages in wireless ad-hoc networks, Natsheh E., +, *IAJIT July 2007 191-200*.

Arabic

tracking morphophonemic transformation in Arabic word generation and root extraction, Yagi S., +, *IAJIT July 2007 206-213*.

Arabic language

arabic text categorization, Duwairi R., *IAJIT April 2007 125-131*.

a multi-agent system for POS-tagging vocalized arabic texts, Zribi C., +, *IAJIT October 2007 322-329*.

improved vector quantization approach for discrete HMM speech recognition system, Debyeche M., +, *IAJIT October 2007 338-344*.

Area flexible multiplier area

flexible GF(2^k) elliptic curve cryptography coprocessor, Gutub A. A., *IAJIT January 2007 1-10*.

Assyrian machine printed character recognition

recognition of printed assyrian character based on neocognitron artificial neural network, Sarhan N. S., +, *IAJIT January 2007*

82-87.

Bandwidth allocation

enhanced dynamic bandwidth allocation proportional to queue length with threshold value for VBR traffic, Kuokkwee W., +, *IAJIT April 2007 117-124*.

Beacon messages

adaptive optimization of hello messages in wireless ad-hoc networks, Natsheh E., +, *IAJIT July 2007 191-200*.

Binary exponential backoff

adaptive contention window scheme for WLANs, Elhag E., +, *IAJIT October 2007 313-321*.

Block sorting

dimensionality reduction in time series: a PLA-block-sorting method, Boucheham B., *IAJIT October 2007 307-312*.

Bluetooth

a service-level security protocol for bluetooth scatternets, Taibi F., +, *IAJIT January 2007 60-66*.

Brain segmentation

segmentation of magnetic resonance brain images using edge and region cooperation characterization of stroke lesions, Cherfa Y., +, *IAJIT July 2007 281-288*.

Characterisation

segmentation of magnetic resonance brain images using edge and region cooperation characterization of stroke lesions, Cherfa Y., +, *IAJIT July 2007 281-288*.

Classification systems

a framework to build quality models for web applications, Marchetto A., +, *IAJIT April 2007 18- 18*.

Combinatorics

experiments of intelligent algorithms on Ramsey graphs, AlJaam J. M., *IAJIT April 2007 161-167*.

Communication overhead

an efficient parallel gauss-seidel algorithm for the solution of load flow problems, Alqadi R., +, *IAJIT April 2007 148-153*.

Competent-based development

software reuse for mobile robot applications through analysis patterns, Jawawi D., +, *IAJIT July 2007 220-228*.

Component model

an extended feature modelling based component model for performance evaluation, Wang Z., +, *IAJIT April 2007 108-116*.

Component-based software development

the development of a simplified process model for CBSD, Aris H., +, *IAJIT April 2007 89-96*.

Computer support cooperative work

GEOW@re: a multipurpose geo-based groupware platform using integrated approach, Dbouk M., *IAJIT July 2007 255-263*.

Computer telephony integration

automated student's courses registration using computer-telephony integration, Fahmy M., *IAJIT October 2007 353-358*.

Contour following

overview of some algorithms of off-line arabic handwriting segmentation, Sari T., +, *IAJIT October 2007 289-300*.

Controlled simulation

SAPIENCE: a simulator of interactive pedagogical activities for distance learning environment, Bouhadada T., +, *IAJIT October 2007 345-352*.

Cosine measure

experimenting N-grams in text categorization, Rahmoun A., +, *IAJIT October 2007 377-385*.

Data reduction

dimensionality reduction in time series: a PLA-block-sorting method, Boucheham B., *IAJIT October 2007 307-312*.

Data split

data split and its effect on optimizing the database access time in mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Data warehousing

GEOW@re: a multipurpose Geo-based groupware platform using integrated approach, Dbouk M., *IAJIT July 2007 255-263*.

Database

equi-join table optimization technique for temporal data, Rahim M., +, *IAJIT July 2007 272-280*.

automated student's courses registration using computer-telephony integration, Fahmy M., *IAJIT October 2007 353-358*.

DCF

adaptive contention window scheme for WLANs, Elhag E., +, *IAJIT October 2007 313-321*.

Deep structure

fuzzy logic control of robot manipulator in the presence of fixed obstacle, Kermiche S., +, *IAJIT January 2007 26-32*.

Designated receiver

non-real time reliable multicast protocol using sub sub-casting, Alsaih A., +, *IAJIT January 2007 73-81*.

Dialogue knowledge base

deductive inference in the context of the dialogue process, Chimir I., +, *IAJIT October 2007 330-337*.

Distance-based classifier

arabic text categorization, Duwairi R., *IAJIT April 2007 125-133*.

Distributed partitioned view

SD-SQL server: scalable distributed database system, Sahri S., *IAJIT April 2007 103-107*.

Distributed routing

routing security in open/dynamic mobile ad hoc networks, Al-Jaroodi J., *IAJIT January 2007 17-25*.

Distributed system

an efficient parallel gauss-seidel algorithm for the solution of load flow problems, Alqadi R., +, *IAJIT April 2007 148-152*.

Domain manager

distributed network management with secured mobile agent support, Ibrahim M., *IAJIT July 2007 229-236*.

Douglas-Peucker algorithm

dimensionality reduction in time series: a PLA-block-sorting method, Boucheham B., *IAJIT October 2007 307-312*.

Dynamic rule bases

fault detection in dynamic rule bases using spanning trees and disjoint sets, Arman N., *IAJIT January 2007 67-72*.

ECA rules

the priority of rules and the termination analysis using petri nets, Baba-hamed L., +, *IAJIT April 2007 177-183*.

Efficiency

parallelization of the resampling image filter, Mahboub M., +, *IAJIT October 2007 386-390*.

Elliptic curve cryptography

area flexible GF(2^k) elliptic curve cryptography coprocessor, Gutub A. A., *IAJIT January 2007 1-10*.

ES Building tools selection

an intelligent MCDM approach for selecting the suitable expert system building tool, Eldrandaly K., *IAJIT October 2007 365-371*.

ES shells

an intelligent MCDM approach for selecting the suitable expert system building tool, Eldrandaly K., *IAJIT October 2007 365-371*.

Execution time

an efficient parallel gauss-seidel algorithm for the solution of load flow problems, Alqadi R., +, *IAJIT April 2007 148-153*.

Expert systems

an intelligent MCDM approach for selecting the suitable expert system building tool, Eldrandaly K., *IAJIT October 2007 365-371*.

Extended feature modelling

an extended feature modelling based component model for performance evaluation, Wang Z., +, *IAJIT April 2007 108-116*.

Extraction

tracking morphophonemic transformation in Arabic word generation and root extraction, Yagi S., +, *IAJIT July 2007 206-213*.

Face tracking

efficient real time face tracking operator study and implementation within virtex FPGA technology, Mostefai M., +, *IAJIT January 2007 11-16*.

Feature extraction

recognition of printed assyrian character based on neocognitron artificial neural network, Sarhan N. S., +, *IAJIT January 2007 82-87.*

Feature extractor

fingerprint recognition using Zernike moments, AbdelQader H., +, *IAJIT October 2007 372-376.*

Filter of 16 pixels

parallelization of the resampling image filter, Mahboub M., +, *IAJIT October 2007 386-390.*

Fingerprint matching

fingerprint recognition using Zernike moments, Abdel Qader H., +, *IAJIT October 2007 372-376.*

Finite state

tracking morphophonemic transformation in Arabic word generation and root extraction, Yagi S., +, *IAJIT July 2007 206-213.*

Function points

can function points be mapped to object points?, Issa A., +, *IAJIT January 2007 41-49.*

Fuzzy c-means

a rough-fuzzy hybrid algorithm for computer intrusion detection, Chimphlee W., +, *IAJIT July 2007 247-254.*

Fuzzy logic control

fuzzy logic control of robot manipulator in the presence of fixed obstacle, Kermiche S., +, *IAJIT January 2007 26-32.*

Fuzzy systems

fuzzy active queue management for congestion control in wireless ad-hoc, Natsheh E., +, *IAJIT January 2007 50-59*
adaptive optimization of hello messages in wireless ad-hoc networks, Natsheh E., +, *IAJIT July 2007 191-200.*

Generation

tracking morphophonemic transformation in Arabic word generation and root extraction, Yagi S., +, *IAJIT July 2007 206-213.*

Genetic programming

genetic programming approach for multi category pattern classification applied to network intrusions detection, Faraoun K., +, *IAJIT July 2007 237-246.*

GIS

GEOW@re: a multipurpose Geo-based groupware platform using integrated approach, Dbouk M., *IAJIT July 2007 255-263.*

Groupware

GEOW@re: a multipurpose Geo-based groupware platform using integrated approach, Dbouk M., *IAJIT July 2007 255-263.*

GSM systems

numerical solution of one GSM cell using MOSEL-2 language, Zreikat A., *IAJIT April 2007 13-140 .*

Handwriting arabic segmentation

overview of some algorithms of off-line arabic handwriting segmentation, Sari T., +, *IAJIT October 2007 289-300.*

Heuristic approach

enhanced dynamic bandwidth allocation proportional to queue length with threshold value for VBR traffic, Kuokkwee W., +, *IAJIT April 2007 117-124.*

Hidden markov model

improved vector quantization approach for discrete HMM speech recognition system, Debyeche M., +, *IAJIT October 2007 338-344.*

Hybrid algorithms

experiments of intelligent algorithms on Ramsey graphs, AlJaam J. M., *IAJIT April 2007 161-167.*

Hybrid methods

a multi-agent system for pos-tagging vocalized arabic texts, Zribi C., +, *IAJIT October 2007 322-329.*

Hydrological data

equi-join table optimization technique for temporal data, Rahim M., +, *IAJIT July 2007 272-280.*

IEEE 802.11

adaptive contention window scheme for Wlans, Elhag e., +, *IAJIT October 2007 313-321.*

Image resampling,

parallelization of the resampling image filter, Mahboub M., +, *IAJIT October 2007 386-390.*

Information retrieval

equi-join table optimization technique for temporal data, Rahim M., +, *IAJIT July 2007 272-280.*

Intelligent networks

fuzzy active queue management for congestion control in wireless ad-hoc, Natsheh E., +, *IAJIT January 2007 50-59.*

adaptive optimization of hello messages in wireless ad-hoc networks, Natsheh E., +, *IAJIT July 2007 191-200.*

Interpolation

parallelization of the resampling image filter, Mahboub M., +, *IAJIT October 2007 386-390.*

Intrusion detection

genetic programming approach for multi category pattern classification applied to network intrusions detection, Faraoun K., +, *IAJIT July 2007 237-246.*

Intrusion detection system

a rough-fuzzy hybrid algorithm for computer intrusion detection, Chimphlee W., +, *IAJIT July 2007 247-254.*

Knn

arabic text categorization, Duwairi R., *IAJIT April 2007 125-13 .*

Language model

morpheme based language model for Tamil speech recognition system, Saraswathi S., +, *IAJIT July 2007 214-219.*

Learning active situation (las)

SAPIENCE: a simulator of interactive pedagogical activities for distance learning environment, Bouhadada T., +, *IAJIT October 2007 345-352.*

Learning technology

a framework for evaluating and selecting learning technologies, Zaied A. N., *IAJIT April 2007 141-147 .*

License plate

Malaysian vehicle license plate recognition, Khalifa O., +, *IAJIT October 2007 359-364.*

License plate recognition

Malaysian vehicle license plate recognition, Khalifa O., +, *IAJIT October 2007 359-364.*

Ligatures

overview of some algorithms of off-line arabic handwriting segmentation, Sari T., +, *IAJIT October 2007 289-300.*

Load flow

an efficient parallel gauss-seidel algorithm for the solution of load flow problems, Alqadi R., +, *IAJIT April 2007 148-153 .*

Locking protocols

intelligent agent based approach for transaction processing in mobile database systems, Ganesh S., +, *IAJIT April 2007 97-102.*

Logic of questions and answers

deductive inference in the context of the dialogue process, Chimir I., +, *IAJIT October 2007 330-337.*

Long-term compression

dimensionality reduction in time series: a PLA-block-sorting method, Boucheham B., *IAJIT October 2007 307-312.*

LPR

Malaysian vehicle license plate recognition, Khalifa O., +, *IAJIT October 2007 359-364.*

Machine learning

a learning-classification based approach for word prediction, Al Mubaid H., *IAJIT July 2007 264-271.*

Magnetic resonance image

segmentation of magnetic resonance brain images using edge and region cooperation characterization of stroke lesions, Cherfa Y., +, *IAJIT July 2007 281-288.*

Manager of managers

distributed network management with secured mobile agent support, Ibrahim M., *IAJIT July 2007 229-236.*

MANET

routing security in open/dynamic mobile ad hoc networks, Al-Jaroodi J., *IAJIT January 2007 17-25.*

a framework for quality of service in mobile ad hoc networks, Ogwu F., +, *IAJIT January 2007 33-40*

MCDM

an intelligent MCDM approach for selecting the suitable expert system building tool, Eldrandaly K., *IAJIT October 2007 365-371*.

Metaheuristic

experiments of intelligent algorithms on Ramsey graphs, AlJaam J. M., *IAJIT April 2007 161-167*.

MIPv4

performance analysis of mobile IPv4 and mobile IPv6, Nada F., *IAJIT April 2007 153-160*

MIPv6

performance analysis of mobile IPv4 and mobile IPv6, Nada F., *IAJIT April 2007 153-160*

Mobil database system

data split and its effect on optimizing the database access time in mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Mobile agent

non-real time reliable multicast protocol using sub sub-casting, Alsaih A., +, *IAJIT January 2007 73-81*

distributed network management with secured mobile agent support, Ibrahim M., *IAJIT July 2007 229-236*.

intelligent agent based approach for transaction processing in mobile database systems, Ganesh S., +, *IAJIT April 2007 97-102*.

Mobile databases

intelligent agent based approach for transaction processing in mobile database systems, Ganesh S., +, *IAJIT April 2007 97-102*.

Mobile network

data split and its effect on optimizing the database access time in mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Mobile networking

performance analysis of mobile IPv4 and mobile IPv6, Nada F., *IAJIT April 2007 153-160*

Modular multiplication

area flexible GF(2^k) elliptic curve cryptography coprocessor, Gutub A. A., *IAJIT January 2007 1-10*

Morphemes

morpheme based language model for Tamil speech recognition system, Saraswathi S., +, *IAJIT July 2007 214-219*.

Morphological analyzer

a multi-agent system for POS-tagging vocalized arabic texts, Zribi C., +, *IAJIT October 2007 322-329*.

Morphology

tracking morphophonemic transformation in Arabic word generation and root extraction, Yagi S., +, *IAJIT July 2007 206-213*.

MOSEL-2

numerical solution of one GSM cell using MOSEL-2 language, Zreikat A., *IAJIT April 2007 133-140*.

Motion detection

efficient real time face tracking operator study and implementation within virtex FPGA technology, Mostefai M., +, *IAJIT January 2007 11-16*

Multi-agent system

a multi-agent system for pos-tagging vocalized arabic texts, Zribi C., +, *IAJIT October 2007 322-329*.

Multivariate chi-square

experimentingN- grams in text categorization, Rahmoun A., +, *IAJIT October 2007 377-385*.

Naïve bayes

arabic text categorization, Duwairi R., *IAJIT April 2007 125-131*.

Natural language processing

a learning-classification based approach for word prediction, Al Mubaid H., *IAJIT July 2007 264-271*.

a multi-agent system for POS-tagging vocalized arabic texts, Zribi C., +, *IAJIT October 2007 322-329*.

Neocognitron artificial neural network

recognition of printed assyrian character based on neocognitron artificial neural network, Sarhan N. S., +, *IAJIT January 2007 82-87*.

Network congestion

fuzzy active queue management for congestion control in wireless ad-hoc, Natsheh E., +, *IAJIT January 2007 50-59*.

Network layer

routing security in open/dynamic mobile ad hoc networks, Al-Jaroodi J., *IAJIT January 2007 17-25*.

Network security

a rough-fuzzy hybrid algorithm for computer intrusion detection, Chimphele W., +, *IAJIT July 2007 247-254*.

Network simulation

performance analysis of mobile IPv4 and mobile IPv6, Nada F., *IAJIT April 2007 153-160*

Neural network

improved vector quantization approach for discrete HMM speech recognition system, Debyeche M., +, *IAJIT October 2007 338-344*.

N-Grams

experimentingN- grams in text categorization, Rahmoun A., +, *IAJIT October 2007 377-385*.

Nonlinear equations

quantum computing for solving a system of nonlinear equations over GF(q), Al Daoud E., *IAJIT July 2007 201-205*.

Object points

can function points be mapped to object points?, Issa A., +, *IAJIT January 2007 41-49*

Obstacle avoidance method

fuzzy logic control of robot manipulator in the presence of fixed obstacle, Kermiche S., +, *IAJIT January 2007 26-32*.

OCR

Malaysian vehicle license plate recognition, Khalifa O., +, *IAJIT October 2007 359-364*.

Optimization

experiments of intelligent algorithms on Ramsey graphs, AlJaam J. M., *IAJIT April 2007 161-167*.

equi-join table optimization technique for temporal data, Rahim M., +, *IAJIT July 2007 272-280*.

Out of vocabulary rate

morpheme based language model for Tamil speech recognition system, Saraswathi S., +, *IAJIT July 2007 214-219*.

Parallel algorithm

an efficient parallel gauss-seidel algorithm for the solution of load flow problems, Alqadi R., +, *IAJIT April 2007 148-153*.

Part-of-speech tagging

a multi-agent system for POS-tagging vocalized arabic texts, Zribi C., +, *IAJIT October 2007 322-329*.

Path

the priority of rules and the termination analysis using petri nets, Baba-hamed L., +, *IAJIT April 2007 177-181*.

Path availability

a framework for quality of service in mobile ad hoc networks, Ogwu F., +, *IAJIT January 2007 33-40*.

Pattern-based reverse engineering

software reuse for mobile robot applications through analysis patterns, Jawawi D., +, *IAJIT July 2007 220-228*.

Patterns classification

genetic programming approach for multi category pattern classification applied to network intrusions detection, Faraoun K., +, *IAJIT July 2007 237-246*.

Pedagogical script

SAPIENCE: a simulator of interactive pedagogical activities for distance learning environment, Bouhadada T., +, *IAJIT October 2007 345-352*.

Pedagogical simulator

SAPIENCE: a simulator of interactive pedagogical activities for distance learning environment, Bouhadada T., +, *IAJIT October 2007 345-352*.

Performance

SD-SQL server: scalable distributed database system, Sahri S., *IAJIT April 2007 103-107*.

Performance measures

numerical solution of one GSM cell using MOSEL-2 language,

Zreikat A., *IAJIT April 2007 13-140* .

Performance modelling

numerical solution of one GSM cell using MOSEL-2 language,

Zreikat A., *IAJIT April 2007 13-140* .

Perplexity

morpheme based language model for Tamil speech recognition system, Saraswathi S., +, *IAJIT July 2007 214-219*.

Petri nets

the priority of rules and the termination analysis using petri nets,

Baba-hamed L., +, *IAJIT April 2007 177-18* .

Priority

the priority of rules and the termination analysis using petri nets,

Baba-hamed L., +, *IAJIT April 2007 177-18* .

Probabilistic QoS guarantee

a framework for quality of service in mobile ad hoc networks,

Ogwu F., +, *IAJIT January 2007 33-40*.

Process model

the development of a simplified process model for CBSD, Aris H.,

+, *IAJIT April 2007 8996*

Projective coordinates

area flexible GF(2^k) elliptic curve cryptography coprocessor, Gutub

A. A., *IAJIT January 2007 1-10*

QOS prediction

a framework for quality of service in mobile ad hoc networks,

Ogwu F., +, *IAJIT January 2007 33-40*.

Quality factors prediction

a framework to build quality models for web applications,

Marchetto A., +, *IAJIT April 2007 18- 18* .

Quantum computing

quantum computing for solving a system of nonlinear equations

over GF(q), Al Daoud E., *IAJIT July 2007 201-205*.

Quantum operations

quantum computing for solving a system of nonlinear equations

over GF(q), Al Daoud E., *IAJIT July 2007 201-205*.

Quantum simulator

quantum computing for solving a system of nonlinear equations

over GF(q), Al Daoud E., *IAJIT July 2007 201-205*.

Question-answering dialogue

deductive inference in the context of the dialogue process, Chimir

I., +, *IAJIT October 2007 330-337*.

Queuing model

numerical solution of one GSM cell using MOSEL-2 language,

IAJIT April 2007 133-140.

Ramsey numbers

experiments of intelligent algorithms on Ramsey graphs, AlJaam J.

M., *IAJIT April 2007 161-167*.

Real time

efficient real time face tracking operator study and implementation

within virtex FPGA technology, Mostefai M., +, *IAJIT January 2007 11-16*

Reconfigurable technology

efficient real time face tracking operator study and implementation

within virtex FPGA technology, Mostefai M., +, *IAJIT January 2007 11-16*

Region of interest

fingerprint recognition using Zernike moments, Abdel Qader H., +,

IAJIT October 2007 372-376.

Registration

automated student's courses registration using computer-telephony

integration, Fahmy M., *IAJIT October 2007 353-358*.

Reliable multicast

non-real time reliable multicast protocol using sub sub-casting,

Alsaih A., +, *IAJIT January 2007 73-81*

Reusability metrics

an extended feature modelling based component model for

performance evaluation, Wang Z., +, *IAJIT April 2007 108-116*.

Reuters21578

experimenting N-grams in text categorization, Rahmoun A., +,

IAJIT October 2007 377-385.

Robot manipulator

fuzzy logic control of robot manipulator in the presence of fixed

obstacle, Kermiche S., +, *IAJIT January 2007 26-32*

Root

tracking morphophonemic transformation in Arabic word

generation and root extraction, Yagi S., +, *IAJIT July 2007 206-213*.

Rough sets

a rough-fuzzy hybrid algorithm for computer intrusion detection,

Chimphlee W., +, *IAJIT July 2007 247-254*.

Rule base faults

fault detection in dynamic rule bases using spanning trees and

disjoint sets, Arman N., *IAJIT January 2007 67-72*

Rule-based system

deductive inference in the context of the dialogue process, Chimir

I., +, *IAJIT October 2007 330-337*.

Scalable distributedDB s

SD-SQL server: scalable distributed database system, Sahri S.,

IAJIT April 2007 103-107.

Scalable table

SD-SQL server: scalable distributed database system, Sahri S.,

IAJIT April 2007 103-107.

Scatternet

a service-level security protocol for bluetooth scatternets, Taibi F.,

+, *IAJIT January 2007 60-66*

SDDS

SD-SQL server: scalable distributed database system, Sahri S.,

IAJIT April 2007 103-107.

Search engines freshnes

updating search engines using meta-updates, Hattab E., *IAJIT*

October 2007 304306.

Secure routing protocols

routing security in open/dynamic mobile ad hoc networks, Al-

Jaroodi J., *IAJIT January 2007 17-25*.

Security

routing security in open/dynamic mobile ad hoc networks, Al-

Jaroodi J., *IAJIT January 2007 17-25*.

Security protocol

a service-level security protocol for bluetooth scatternets, Taibi F.,

+, *IAJIT January 2007 60-66*

Self tuning

fuzzy logic control of robot manipulator in the presence of fixed

obstacle, Kermiche S., +, *IAJIT January 2007 26-32*.

Service time

data split and its effect on optimizing the database access time in

mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Service-level

a service-level security protocol for bluetooth scatternets, Taibi F.,

+, *IAJIT January 2007 60-66*

Software cost estimation

can function points be mapped to object points?, Issa A., +, *IAJIT*

January 2007 41-49

Software engineering

the development of a simplified process model for CBSD, Aris H.,

+, *IAJIT April 2007 8996*

automated student's courses registration using computer-telephony

integration, Fahmy M., *IAJIT October 2007 353-358*.

Software methodology

the development of a simplified process model for CBSD, Aris H.,

+, *IAJIT April 2007 8996*

Software metrics

a framework to build quality models for web applications,

Marchetto A., +, *IAJIT April 2007 18- 18* .

Software reuse

software reuse for mobile robot applications through analysis

patterns, Jawawi D., +, *IAJIT July 2007 220-228*.

Software size metrics

can function points be mapped to object points?, Issa A., +, *IAJIT*

January 2007 41-49

Spanning trees

fault detection in dynamic rule bases using spanning trees and

disjoint sets, Arman N., *IAJIT January 2007 67-72*

Speech recognition

improved vector quantization approach for discrete HMM speech recognition system, Debyeche M., +, *IAJIT October 2007 338-344*.

Speedup

parallelization of the resampling image filter, Mahboub M., +, *IAJIT October 2007 386-390*.

Stroke

segmentation of magnetic resonance brain images using edge and region cooperation characterization of stroke lesions, Cherfa Y., +, *IAJIT July 2007 281-288*.

Sub sub-casting

non-real time reliable multicast protocol using sub sub-casting, Alsaih A., +, *IAJIT January 2007 73-81*

Subscriber database

data split and its effect on optimizing the database access time in mobile networks, Samie M., +, *IAJIT July 2007 184-190*.

Surface

fuzzy logic control of robot manipulator in the presence of fixed obstacle, Kermiche S., +, *IAJIT January 2007 26-32*.

TCP performance

performance analysis of mobile IPv4 and mobile IPv6, Nada F., *IAJIT April 2007 153-160*

Technology selection criteria

a framework for evaluating and selecting learning technologies, Zaied A. N., *IAJIT April 2007 141-147* .

Temporal data management

equi-join table optimization technique for temporal data, Rahim M., +, *IAJIT July 2007 272-280*.

Termination rules

the priority of rules and the termination analysis using petri nets, Baba-hamed L., +, *IAJIT April 2007 177-183* .

Test effort

a framework to build quality models for web applications, Marchetto A., +, *IAJIT April 2007 18- 18* .

Text categorization

arabic text categorization, Duwairi R., *IAJIT April 2007 125-132*.
experimenting N- grams in text categorization, Rahmoun A., +, *IAJIT October 2007 377-385*.

Time series

dimensionality reduction in time series: a PLA-block-sorting method, Boucheham B., *IAJIT October 2007 307-312*.

Topological rules

overview of some algorithms of off-line arabic handwriting segmentation, Sari T., +, *IAJIT October 2007 289-300*.

Underlay-overlay

numerical solution of one GSM cell using MOSEL-2 language, Zreikat A., *IAJIT April 2007 13-140* .

Uniform cubic B-spline

parallelization of the resampling image filter, Mahboub M., +, *IAJIT October 2007 386-390*.

Urban planning

GEOW@re: a multipurpose Geo-based groupware platform using integrated approach, Dbouk M., *IAJIT July 2007 255-263*.

Variation point

an extended feature modelling based component model for performance evaluation, Wang Z., +, *IAJIT April 2007 108-116*.

VBR

enhanced dynamic bandwidth allocation proportional to queue length with threshold value for VBR traffic, Kuokkwee W., +, *IAJIT April 2007 117-124*.

Vector quantization

improved vector quantization approach for discrete HMM speech recognition system, Debyeche M., +, *IAJIT October 2007 338-344*.

Web

GEOW@re: a multipurpose Geo-based groupware platform using integrated approach, Dbouk M., *IAJIT July 2007 255-263*.

Web content management

updating search engines using meta-updates, Hattab E., *IAJIT*

October 2007 301-306.

Web content updates

updating search engines using meta-updates, Hattab E., *IAJIT October 2007 301-306*.

Whitespace

recognition of printed assyrian character based on neocognitron artificial neural network, Sarhan N. S., +, *IAJIT January 2007 82-87*

Wireless local area networks

adaptive contention window scheme for WLANs, Elhag E., +, *IAJIT October 2007 313-321*.

WLANs

adaptive contention window scheme for WLANs, Elhag E., +, *IAJIT October 2007 313-321*.

Word completion

a learning-classification based approach for word prediction, Al Mubaid H., *IAJIT July 2007 264-271*.

Word error rate

morpheme based language model for Tamil speech recognition system, Saraswathi S., +, *IAJIT July 2007 214-219*.

Word prediction

a learning-classification based approach for word prediction, Al Mubaid H., *IAJIT July 2007 264-271*.

ZMI

fingerprint recognition using Zernike moments, Abdel Qader H., +, *IAJIT October 2007 372-376*.