## Keyword Index of Journal of Advanced Computational Intelligence and Intelligent Informatics Volume 28, 2024

| 3D reconstruction                        | boiler                               | color-to-gray conversion 655                          |
|--|--------------------------------------|---|
|  | bond percolation model739            | comics  |
| <b>A</b>                                 | borrowing volume prediction 1204     | communication bandwidth 1154                          |
| $\mathbf{A}$                             | bowing255                            | compound directional drilling 1052                    |
| accident prediction 1067                 | BP neural network606                 | comprehensive electric heating                        |
| action                                   | brain rhythm1095                     | requirements 528                                      |
| admissible                               | brain-computer interface 623         | computational intelligence                            |
| adversarial domain adaptive 835          | breast ultrasound image 835          | 5, 41, 753  |
| agent-based simulation413                | broadcast hosting art                | constrained clustering                                |
| analytic hierarchy process 333           | burned-in text                       | contour detection and stacking 893                    |
| ant colony optimization159               | ouried in tentiment 103              | control system  |
| anti-occlusion573                        |                                      | convolutional neural network (CNN)                    |
| artificial intelligence . 613, 668, 1126 | C                                    | 94, 206, 562, 613, 634, 668, 783                      |
| ARX model 324                            | capacity 829                         | correlation filtering 573                             |
| aspect-based sentiment analysis 29       | capital expenditure                  | correlation matrix                                    |
| assistive robotics                       | capital expenditure efficiency 865   | cosine similarity                                     |
| associative network854                   | causal confusion                     | •   |
| attention mechanism231                   | ceiling suspension system 169        | coupling coordination model 805 course classification |
| attention-enhanced                       | cement rotary kiln 324               |   |
| audio-visual bimodal196                  | central bank communication 1018      | covert attention                                      |
| augmented reality893                     | character detection                  | COVID-19  |
| automatic meter reading206               | China                                | credit allocation                                     |
| autonomous driving431                    | Chinese grammatical error correction | culture   |
| autonomous vehicle                       |                                      | customer clustering                                   |
| autoregressive moving average            | chroma difference                    | customer group segmentation 541                       |
| model1251                                | classroom effect evaluation of       | cyber-physical systems 962                            |
| 1231                                     | students                             |   |
| _  |                                      | D   |
| В  | clothing colors                      |   |
| oack-propagation neural network          | clustering                           | data augmentation                                     |
| 679, 1107                                | clustering analysis                  | data generation                                       |
| packpropagation neural network           | coal mine drilling                   | data orchestration and transformation                 |
| 1204                                     | cognitive abilities                  |   |
| packstepping design                      | cognitive modeling                   | data sample density                                   |
| pagging algorithm                        | coke dry quenching                   | dataset creation                                      |
| pasketball technical action 552          | collaborative filtering111           | deep convolutional neural networks                    |
| Bayesian information criterion (BIC)     | collaborative SLAM 1154              | 231   |
|  | collaborative training 1313          | deep learning   |
| Davisaian naturalis 202                  | color distance 655                   | 454, 520, 668, 776, 1178, 1273                        |
| Bayesian network                         | color grayscale 655                  | deep transfer learning 835                            |
| BERT                                     | color harmony 1107                   | deep-learning-based image                             |
| pidirectional long short-term memory     | color matching 1107                  | restoration 1284                                      |
|  | color pairs 1107                     | degree awarding 15/                                   |

| delayed retirement strategy 704        | $\mathbf{F}$                        | graph topologists974                  |
|--|-------------------------------------|---------------------------------------|
| delisting risk warning 865             |                                     | gray wolf optimization algorithm      |
| demagnetization fault920               | facial expression recognition 793   | 484                                   |
| demand forecasting1144                 | factor market distortion909         | green development805                  |
| depression 1126                        | fall detection                      | green innovation                      |
| depth weighting541                     | fast growing neural gas 1354        | greeting255                           |
| design optimization693                 | FCS-MPC324                          | grid-tied solar energy41              |
| differential drive kinematics 12       | feature extraction                  | gripper                               |
| differential evolution algorithm 929   | feature pyramid network 216         | group behavior recognition 520        |
| differential speed algorithm 1169      | feature sequence rules 316          | GRU179                                |
| diffusion model 511                    | fertility behavior816               |                                       |
| digital agriculture59                  | financial distress 865              | Ш                                     |
| digital economy 845, 909               | fine tuning94                       | Н                                     |
| digital root phenotyping59             | finite state entropy 1154           | hand gesture                          |
| digital twin                           | fixational eye movement 502         | handwritten Chinese character         |
| directed search                        | fluctuating equation inversion 762  | recognition231                        |
| discourse relation analysis 239        | force-sensitive resistor            | haptic device49                       |
| discrete time-delayed system 983       | formal concept analysis 1210        | hazardous chemicals                   |
| domain transfer learning 1299          | formation control 159               | health big data1313                   |
| DoS attacks                            | Fujian province714                  | herb classification 511               |
| double-efficiency 805                  | full lifecycle                      | heterogeneous enterprise494           |
| dropout prediction                     | fuzzy clustering1251                | hierarchical estimation1210           |
| DS evidence theory                     | fuzzy control 1034, 1186            | high-quality development 714          |
| DSRM                                   | fuzzy inference1067                 | household consumption level 685       |
| DWKCN 541                              | fuzzy logic901                      | housing price                         |
|  | fuzzy logic control21               | HRI79                                 |
| dynamic analysis                       | fuzzy logic controller 41, 49       | human evaluation                      |
| dynamic object detection 586           | fuzzy proportional-integral-        | human symbiotic robots79              |
|  | derivative controller               | human-robot proxemics                 |
| E                                      |                                     |                                       |
| economic policy uncertainty 776        |                                     | T                                     |
| ECoRec 1313                            | G                                   | 1                                     |
| education reform strategy 704          | g-force                             | ILFDA284                              |
| electricity consumption patterns . 953 | GARCH model 854                     | image augmentation511                 |
| electroencephalogram 1095              | gated recurrent unit                | image classification                  |
| embedded computer1354                  | Gaussian diffusion model 484        | image feature points elimination. 586 |
| emotion recognition 1095               | gaze point502                       | imitation learning                    |
| employee selection1117                 | GE-PPML727                          | immersive VR system 1240              |
| encoder–decoder network 562            | generalized triangular interval 324 | improved CUR matrix                   |
| energy-saving                          | generative adversarial network      | decomposition1005                     |
| English                                | 693, 1085                           | improved sliding-mode observer        |
| entropy weight method                  | generative models29                 | 920                                   |
| EOD21                                  | genetic algorithm1144, 1195         | income group 816                      |
|  | gesture                             | income inequality 816                 |
| epidemic network                       | gesture recognition                 | individuals with Down syndrome        |
| equivalent input disturbance 983       | GPS                                 | 901                                   |
| estimation                             | gradient descent                    | Indonesian language 1299              |
| evidential reasoning                   | graph convolution network (GCN)     | indoor layout                         |
| excitation control                     | 552, 1367                           | Indus sign dataset                    |
| expert controller                      | graph convolution neural network    | information entropy                   |
| expression                             | 974                                 | information extraction                |
| eye movement 303                       | 9/4                                 | miormanon extraction                  |

| information fusion                   | location information                | multi-robot systems 1154             |
|--------------------------------------|-------------------------------------|--------------------------------------|
| information retrieval990             | long short time memory265           | multi-sensor962                      |
| information search 303               | long-tail129                        | multigene genetic programming 5      |
| information systems990               | loss function                       | multilayer perceptron67              |
| information volume of mass function  | lowest unique integer game 413      | multimodal fusion 520                |
|                                      | LSTM network 1144                   | multiple images352                   |
| innovation 805                       | luffing21                           | multiple traveling salesmen problem  |
| integrated energy microgrids 528     |                                     |                                      |
| intelligence quotient (IQ)901        | M                                   | multiscale detection                 |
| intelligent decision-making 1005     |                                     | multiscale feature extraction 1067   |
| intelligent domain perception 1324   | machine learning                    | multitask learning29                 |
| intention estimation403              |                                     | muscle synergy 595                   |
| interaction effect714                | machine vision                      | music online education 1075          |
| interactive genetic algorithm 929    | manufacturing industry 714          | music score alignment model 1075     |
| Interactive Mental Learning Activity | map point selection 1154            |                                      |
| Software (IMLAS)901                  | MapReduce 953                       | N                                    |
| interactive robots79                 | markerless motion capturing system  | _ ,                                  |
| Internet of Things data296           | 169                                 | named entity recognition 1299        |
| interpolation data 623               | mask generation 893                 | natural language processing (NLP)    |
| interval of occurrence 502           | master-slave game528                | 179, 239, 1380                       |
| interval priority weight 333         | mediating effect model 685          | nearest insertion algorithm 1195     |
| invariant feature learning 882       | medical image character recognition | nearest neighbor316                  |
| inverse reinforcement learning       | 103                                 | neonatal behavioral assessment scale |
| 380, 393, 403                        | medical image processing 103        |                                      |
| , ,                                  | medical imaging 103                 | network attack141                    |
| T                                    | mel-frequency cepstral coefficient  | neural adaptive control 1231         |
| J                                    | 679                                 | news texts776                        |
| Japanese                             | MEMS sensor                         | newsboy model 1144                   |
| JITL284                              | messenger mechanism 475             | noise reduction                      |
|                                      | metaphor generation                 | non-invasive root tomography 59      |
| K                                    | microsaccades 502                   | non-negative matrix factorization    |
|                                      | migration operation316              | 595                                  |
| <i>k</i> -means                      | millimeter wave753                  | nonlinear Granger causality test 854 |
| knowledge distillation231            | MIMO 829                            | nonlinear memory feedback control    |
|                                      | mobile jib crane21                  |                                      |
| ${f L}$                              | mobile robot 196, 1169, 1354        |                                      |
| labor participation rate704          | model predictive control 983        | $\mathbf{O}$                         |
| large language model                 | modular reconfigurable robot 12     | 150.006.1050                         |
| large-scale systems                  | module configuration1005            | object detection 150, 206, 1273      |
| leakage source location              | monetary policy shock 494           | object handover locations 371        |
| learning models413                   | motion capture                      | object recognition                   |
| learning status monitoring793        | multi-agent                         | OCR challenges 103                   |
| library1204                          | multi-agent learning                | odometry                             |
| library management 1169              | multi-agent system12, 159           | optical flow filtering               |
| license plate recognition 1178       | multi-criteria analysis1117         | optimization                         |
| lightweight convolutions             | multi-feature adaptive fusion 573   | optimization of anchor boxes216      |
| linear matrix inequality983          | multi-modal1075                     | optimization problem                 |
| linear programming                   | multi-objective Markov decision     | order of preference                  |
| living laboratory169                 | process 393                         | overfitting67                        |
| local enterprises865                 | multi-objective reinforcement       |                                      |
| 100a1 ontorprises                    | learning                            |                                      |

| P                                    | readability 1018                       | soft measurement                    |
|--------------------------------------|--|-------------------------------------|
| _                                    | real time                              | sonar array transducer antenna 59   |
| painting styles                      | real-world application 403             | source inversion                    |
| panel vector error correction model  | recitation                             | space design                        |
|                                      | recommendation111, 129                 | space utilization rate              |
| parallel mining                      | recommender system 1263                | spatial effect                      |
| particle swarm optimization 1344     | regularization 67                      | spatial graph convolution 552       |
| parts-of-speech recognition 1164     | rehabilitation machine                 | spatial panel Durbin model (SPDM)   |
| path planning                        | reinforcement learning                 | 805                                 |
| path tracking                        | 273, 431, 454                          | speaker tracking 196                |
| pattern formation                    | relationship extraction361             | special token239                    |
| pedestrian detection                 | relative syntactic distance 179        | speech                              |
| pentapartitioned neutrosophic cubic  | reliability186                         | speech emotion recognition 520      |
| set                                  | resistance disturbance                 | speech feature parameters 679       |
| perceiving-acting cycle 1240         | ResNet                                 | speech recognition 679              |
| permanent-magnet synchronous         | retrieval tasks and goals990           | ST-GCN 552                          |
| motor (PMSM)920                      | reward design                          | state estimation                    |
| personal values111                   | risk spillover854                      | steepest descent method 1344        |
| perspective effects352               | road surface marking                   | storage engine                      |
| perspective estimation 1210          | road traffic accident                  | stratigraphy identification 606     |
| plant root system architecture 59    | robot motion modeling algorithm        | structure from motion               |
| pleasure-arousal-dominance 793       | 1169                                   | structured learning                 |
| policy selection and scheduling 962  | robot operating system                 | student learning and management     |
| polynomial fuzzy system 1335         | rotary inclined stabilization drilling | systems                             |
| population aging685                  |  | style loss 613                      |
| population mobility714               | 1032                                   | style transfer                      |
| portraits 1085                       |  | sub-optimal data                    |
| possibilistic theory 623             | S                                      | sum of squares                      |
| practical finite-time stability 1231 | SAW1117                                | •                                   |
| precision marketing541               | scenario prediction704                 | super-resolution                    |
| predictive control 1186              | SEIR model                             | 11 0                                |
| pressure control644                  | semantic segmentation 562              | surface electromyography 595        |
| principal component analysis 1018    | semantic similarity179                 | swarm intelligence                  |
| profile matching1117                 | sensor network                         | switching polynomial Lyapunov       |
| pseudo label361                      | sensors41                              | function                            |
| public opinion analysis of campus    | sentiment analysis 990, 1018           | switching polynomial static output  |
| 990                                  | serendipity                            | feedback controller                 |
| pure pursuit algorithm1034           | series data                            | syllabus454                         |
| PVAR model                           | shared energy storage                  | symbiosis                           |
| 1 VIII Model                         | ship hull design                       | synchronous generator 1231          |
|                                      | ship recognition                       | syntactic structure                 |
| Q                                    | sign language                          | synthetic aperture radar images 216 |
| quadcopter1354                       | similarity measure                     | synthetic data 129                  |
| quasi-orthogonal code829             | skeleton-based human action            | system logging 141                  |
|                                      |  |                                     |
| D                                    | recognition                            | T                                   |
| R                                    | SLAM algorithm                         |                                     |
| radial basis function neural network | sleep stage estimation                 | Taylor rule 1018                    |
| 41                                   | sliding deflection drilling 1052       | textual context utilization         |
| rainfall forecasting5                | SNR                                    | Thai herb classification            |
| RCEP727                              | SOFA                                   | threat detection                    |
|                                      | soft constraint                        | three-zone                          |

| time-delay                          | $\mathbf{W}$  |
|-------------------------------------|---|
| time-series video analysis 783      | water meter reading   |
| time-varying delay                  | waving hand   |
| tip-over stability margin21         | website   |
| tomato plant leaf area352           | Widrow–Hoff learning rule 444   |
| topological mapping                 | wind direction probability 141  |
| total knee arthroplasty150          | word form error detection 1164  |
| transfer learning 511               |   |
| tri-training                        | working condition identification. 644 wrist-worn IMU sensors data 974 |
| TSP475                              | wiist-woili livio selisois data 9/4                                   |
| tuberculosis                        |   |
| tuna detection                      | Y   |
| two-layer maximum likelihood        | YOLOv5s768  |
| estimation                          | YOLOv81273  |
|                                     | 10L0v012/3  |
| U                                   |   |
| ultradian rhythm444                 |   |
| unanticipated returns776            |   |
| uncertain singular nonlinear system |   |
| 1043                                |   |
| uncertainty186                      |   |
| uncertainty aware634                |   |
| unilateral spatial neglect 1240     |   |
| university1204                      |   |
| university student                  |   |
| unmanned aerial vehicles (UAV)      |   |
| 573, 1195                           |   |
| unsupervised domain adaptation      |   |
| 835                                 |   |
| unsupervised pattern recognition    |   |
| 371                                 |   |
| urban environment                   |   |
| urban-rural income gap 845          |   |
|                                     |   |
| $\mathbf{V}$                        |   |
| vague evaluation 333                |   |
| validation loss landscape 67        |   |
| value chains727                     |   |
| value judgment1263                  |   |
| VAR854                              |   |
| variable time windows 974           |   |
| variational mode decomposition      |   |
| 1095                                |   |
| verb-form error detection 1164      |   |
| virtual and real occlusion893       |   |
| visual object tracking 573          |   |
| ,                                   |   |