

Curriculum Vitae – Xinde Li



EDUCATION

- ✧ 2003.9-2007.6 Huazhong University of Science and Technology, Control theory and control engineering, Doctor Degree
- ✧ 2000.9-2002.12 Shandong University, Mechanical Design and Theory, Master Degree
- ✧ 1994.9-1997.6 Shenyang University of Chemical Technology, Chemical Equipment and Machinery, College.

DISTINCTIONS AND AWARDS

- ✧ 2022.12, Second Prize of Jiangsu Science and Technology Award;
- ✧ 2022.11, First Prize of Graduate Teaching Achievement of Anhui Province;
- ✧ 2022.10, Fellow of IET;
- ✧ 2022. 9, First Prize of Achievement Award of China Invention Association;
- ✧ 2022.7, Silver Prize of International Exhibition of Inventions of Geneva;
- ✧ 2021.12, Corporative Innovation Award in Chinese Industry-Academy-Research;
- ✧ 2021.11, Jiangsu Provincial Planning Textbook Award for Colleges and Universities
- ✧ 2021. 9, First Prize of Innovation Award of China Invention Association;
- ✧ 2021.6, Cover person of Scientific Chinese;
- ✧ 2021.5, Academician of Russian Academy of Natural Sciences;
- ✧ 2020.12, National Science and Technology Academic Works Publishing Fund Award;
- ✧ 2020.10, First Prize of scientific and Technological Progress Award in Chinese Association of Automation;
- ✧ 2020.12 Outstanding Member of the Cognitive System and Information Processing Committee
- ✧ 2019.9, Grand Prize of Target Detection and Identification Challenge for Chinese Society of Aeronautics and Astronautics;

- ✧ 2016.11, IEEE Senior Member;
- ✧ 2016.11, Outstanding Youth Talent Award (SEU)
- ✧ 2015.10, Distinguished Achievement Award of Aviation fund for 12th 5 year's Plan ;
- ✧ 2014, Six Major Top-talent Plan award of Jiangsu province;
- ✧ 2014.7 Three Educating Activists of Southeast University
- ✧ 2014.5, Youth's Achievement Award of scientific and Technological Progress in Chinese Association for Artificial Intelligence;
- ✧ 2013.12 Core Member of Outstanding Innovation Team of Jiangsu
- ✧ 2013.7 The first student "Jinggangshan Training" for young backbone teachers of Southeast University
- ✧ 2012, Talent of Qing Lan Project award of Jiangsu province;
- ✧ 2010, Outstanding Young Teachers of Southeast University
- ✧ 2008, International Scientific contribution Award, The University of New Mexico;
- ✧ 2008, Third Prize of Hubei Natural Science Award

EXPERIENCE

- ✧ 2021.3- now, Head of Department and Distinguished researcher, Nanjing Center for Applied Mathematics;
- ✧ 2019.12-now, Core Member of Pearl River Talent Innovation Team, Guangdong Province;
- ✧ 2016.1-2016.9 National University of Singapore, Postdoc Research Fellow
- ✧ 2012.1-2013.1 Georgia Institute of Technology, Visiting Scholar, BY CSC
- ✧ 2016.4-now School of Automation, Southeast University, Professor, Member of Executive Committee of University.
- ✧ 2010.4-2016.4 School of Automation, Southeast University, Associate Professor, Assistant Dean.
- ✧ 2007.12-2010.4 School of Automation, Southeast University, Lecturer,

PROFESSIONAL ACTIVITIES

- ✧ 2022.12-now Special Adviser of Open Islands Community
- ✧ 2022.10-now Fellow of IET
- ✧ 2021.11- now, Vice director, Professional Committee of Intelligent Manufacture, Chinese Association of Automation;
- ✧ 2021.5- now, Academician of Russian Academy of Natural Sciences;
- ✧ 2020.11-now, Vice director, Working Committee of Intelligent Industry and Product, Chinese Association for Artificial Intelligence;

- ✧ 2019.12-now, Core Member of Pearl River Talent Innovation Team, Guangdong Province;
- ✧ 2017.11-now, Vice director, Professional Committee of Intelligent Robot, Chinese Association for Artificial Intelligence;
- ✧ 2017.5-now Member of the Standing Committee of Nanjing Overseas Chinese Youth Association
- ✧ 2016.12-now, IEEE Senior Member (RAS, CS,CIS)
- ✧ 2021.11-now Member of Robotic Intelligence Committee of China Association of Automation
- ✧ 2018.5-Chairman of Image Processing Special Committee of Information Fusion Branch of China Aviation Society
- ✧ 2016.5-now, Member of the Cognitive System and Information Processing Special Committee, Chinese Association for Artificial Intelligence;
- ✧ 2019.11-now, Member of Robotic System Simulation Special Committee of China Simulation Society;
- ✧ 2014-2019, Member of Robotics Special Committee, Chinese Association of Automation;
- ✧ 2014-2019, Standing Member of Youth Working Committee, Chinese Association of Automation;
- ✧ 2011-2019, Vice deputy secretary-general and Standing Member of Youth Working Committee, Chinese Association for Artificial Intelligence;
- ✧ General Chairman, 11st Chinese Conference on Information Fusion, Nanjing, 2023.9.
- ✧ Keynote Speaker, 3rd international Conference on Consumer Electronics and Computer Engineering, ICCECE 2023, Jan. 6.
- ✧ Keynote Speakers for 2022 The 15th China Intelligent Robot Conference, 2022, Hangzhou.
- ✧ Opening Speech, 2022 Ninghuai Intelligent Manufacturing Industrial Park High quality Development Promotion Conference,2022,11.17
- ✧ Keynote Speakers for the 2022 International Conference on Machine Learning, Control, and Robotics (MLCR 2022), 29-31 October 2022, Suzhou, China (<http://www.mlcr-conf.org>).
- ✧ Judge of the final of China Postgraduate Robot Competition, 2022.9, Hangzhou.
- ✧ Keynote Speakers, The 37th Youth Academic Annual Meeting of Chinese Association of Automation (YAC2022), Nov.19-20, 2022, Beijing.
- ✧ Opening Speech, The 24th China Robotics Competition National Finals, Nov.19, China.
- ✧ Keynote Speaker, ICRCV 2022, Sep. 25-27, 2022 Wuhan
- ✧ Plenary Speaker, The Conference RobotForum2022(RobotForum2022) has been postponed to 2023
- ✧ Plenary speaker, ICRAI-2022, 2022, sep 14-16, Singapore.
- ✧ General Chairman and Plenary speaker, 3rd International Conference on information Science, Parallel, Distributed System (ISPDS2022) (IEEE), 2022, July22-24.

- ✧ Plenary Speaker, The Third Annual Conference of China's Robot Industry, 2022, July14
- ✧ Director of the Review Committee, Leading talents in Taishan industry, 2022.
- ✧ **General Chairman and Plenary speaker, 2st Frontier Forum of Intelligent robot and Automation, Nanjing, 2022.6.**
- ✧ General Chairman and Plenary speaker, The 2nd international Conference on automation control, algorithms and intelligent bionics (ACAIB), March 25-27
- ✧ Keynote Speaker, 2022 3rd International Conference on Mechanical Engineering, Intelligent Manufacturing and Automation Technology (MEMAT2022), 2022,1,8
- ✧ Keynote Speaker, YAC(Youth Academic Annual Conference of Chinese Association of Automation)-2021, 2021.5.28-5.30, Nanchang, China.
- ✧ Plenary Speaker, CISA (2021 4th International Conference on Computer Information Science and Artificial Intelligence) 2021, September 17-19, 2021 in Kunming, China
- ✧ Plenary speaker , RoboComp (Robotics and Computer Science World Forum) -2021, Amsterdam, Netherlands. from October 04-06, 2021.
- ✧ **Keynote Speaker, The 13th China Simulation Conference, Beijing, 2021.10.15-17.**
- ✧ **General Chairman, 1st Frontier Forum of Intelligent robot and Automation, Nanjing, 2021.5.**

GRANTS:

- 【1】** In charge of Key Project of National Natural Science Foundation of China “Research on key technologies of trusted security for group uav perception system” No: 62233003 (2023.1- 2027.12)
- 【2】** In partly charge of Key Projects of Shenzhen Natural Science Foundation “ Research on key algorithm of intention understanding based on multimodal fusion” No: JCYJ20220818101206014(2023.1- 2026.12)
- 【3】** In charge of JKW major special projects “Group Intelligence Fusion and Situation Collaborative Understanding Based on Multi micro UAV Heterogeneous Sensing” , No201-CXCY-A03-01-04-01 (2020.12- 2022.12)
- 【4】** In charge of General Project of National Natural Science Foundation of China “Research on Theory, Method and Application of Multi granularity Reliability Fusion”, No. 62073072(2021.1- 2023.12)
- 【5】** In charge of General Projects of Shenzhen Natural Science Foundation “ Research on human visual behavior depth understanding and application oriented to human interaction” No: JCYJ20210324132202005 (2021.6- 2024.6)
- 【6】** In charge of Key program of Provincial Major R&D of Jiangsu, “Research and development of key technologies of high-precision structured light dynamic measurement system based on MEMS chip” , No.BE2020006(2020.6- 2024)
- 【7】** In charge of The 13th Five Year Army Shared Information System Equipment Pre research Project “XXXXXX” , No.30601120401(2019.6- 2020.12)
- 【8】** In charge of Major Research Plan Project of National Natural Science Foundation of China “ Robot semantic place awareness and autonomous work in inclusive interaction” ,No. 91748106 (2018.1- 2020.12)
- 【9】** In charge of The 13th Five Year Army Shared Information System Equipment Pre research Project “XXXXXX” ,No. 31511040301(2017.10- 2020.12)

- 【10】 In charge of General Project of National Natural Science Foundation of China “Large Data Oriented DSMT Approximate Reasoning and Its Application in Target Recognition” , No. 61573097 (2016.1- 2019.12)
- 【11】 In charge of Open Fund for Information Engineering Laboratory “Target Intelligent Sensing Technology for Low Resolution Reconnaissance Video ” , No.05201904(2019.10- 2020.6)。
- 【12】 In charge of Open Fund for the State Key Laboratory of Integrated Automation in Process Industry “Research on multi-source information fusion real-time monitoring and fault diagnosis for complex industrial process big data ” , No.PAL-N201704(2017.1- 2019.12)。
- 【13】 In charge of Young Teachers Team Project of Jiangsu Province's Dominant Disciplines “Key technologies of intelligent perception and human-computer interaction for mobile/service robots” , No. 1108007001 (2015/1-2017/12)
- 【14】 In charge of The 11th batch of six peak talent training programs in Jiangsu Province “Research on Automatic Driving Technology Based on ADAS Data Fusion” , No. WLW-003(2015.1- 2018.1)
- 【15】 In charge of General Project of National Natural Science Foundation of China “Research on visual interactive navigation of mobile robot based on hand drawn semantic map under ubiquitous perceptual network”, No.61175091(2012.1- 2015.12)
- 【16】 In charge of Jiangsu Qinglan Project Outstanding Young Backbone Teachers Training Funding Project “Semantic Map Mapping and Semantic Navigation of Cognitive Robot” (2013.1- 2015.1)
- 【17】 In charge of Aviation fund project “Research on Local Feature Recognition Algorithm of Sequence Infrared Target Based on DSMT and HMM ” No.20140169002(2014.10- 2016.10)
- 【18】 In charge of Youth Project of National Natural Science Foundation of China “Research on DSMT Uncertainty Qualitative Reasoning and Machine Awareness Based on Binary Fuzzy Language Tags” , No.60804063(2009.1-2011.12)
- 【19】 In charge of Natural Science Foundation of Jiangsu Province “Research on 3D-SLAM of Home Service Robot Based on Network Vision” , No. SBK201022557 (2010.7- 2013.7) 。
- 【20】 In charge of Aviation fund project “Research on ***** Algorithm Based on DSMT Hierarchical System”, No. 20101690001 (2010.10-2012.9)
- 【21】 In charge of Open Fund for Key Laboratory of Image Information Processing and Intelligent Control, Ministry of Education “Research on 3d map creation and simultaneous localization of home service robot” , No.200902 (2010.1- 2011.6)
- 【22】 In charge of Innovation Fund of Southeast University “Research on semantic map creation and application of family companion robot in unknown dynamic environment” (2010.06.18-2012.06.18)
- 【23】 In charge of Southeast University Outstanding Young Teachers Teaching and Scientific Research Funding Project (2011.1- 2013.12)
- 【24】 In charge of Jiangsu Provincial Science and Technology Transformation Project “Research on seam tracking and correction system based on active light vision” , No. BA2007058 (2008.1~2010.12)

- 【25】 In charge of Talent introduction project “Vision Tracking and Deviation Correction of Welding Robot Based on 2C (CAD/CAE)” (2008.03.20-2010.12.31)
- 【26】 Participated in NSFC projects “Research on Theory and Method of Harmonious Navigation for Service Robot Based on Distributed Perception” , No.60805032(2009.1~2011.12)
- 【27】 Participated in NSFC projects “Application of sparse representation in image feature extraction”, No.61005008 (2011.1~2013.12)
- 【28】 Participated in NSFC projects “Fuzzy Control of Parabolic Distributed Parameter Systems with Time Delay Based on T-S Model”, No.61004043 (2011.1~2013.12)
- 【29】 Participated in 863 key program “Key Technologies of Robot for Helping the Aged and the Disabled”, No.2006AA040202 (2008.1-2009.10.31)
- 【30】 In charge of enterprise project “Indoor Map building” , (2022.6- 2022.12)
- 【31】 In charge of enterprise project “Development of video image processing software” (2022.4 2022.12)
- 【32】 In charge of enterprise project “Intelligent measurement and estimation model of ship attitude” (2020.9- 2022.9)
- 【33】 In charge of enterprise project “Development of situation assessment software” (2021.8- 2022.8)
- 【34】 In charge of enterprise project “Camouflage Target Recognition Reasoning Technology Based on UAV Infrared Visible Reconnaissance Data Fusion” (2020.12- 2021.12)
- 【35】 In charge of enterprise project “Research on perception big data analysis algorithm of multiple UAVs” (2019.7- 2019.12)
- 【36】 In charge of enterprise project “Mental state recognition technology based on multimodal features” (2019.9- 2019.12)
- 【37】 In charge of enterprise projec “XXX identification software library” (2017.11- 2018.7)
- 【38】 In charge of enterprise project “XXX motion parameter estimation” (2017.3- 2017.9)
- 【39】 In charge of enterprise project “XXX target identification” (2016.3- 2016.9)
- 【40】 In charge of enterprise project “Development of Lila panel recognition system” (2015.9- 2016.12)
- 【41】 In charge of enterprise project “Automatic production line system based on vision navigation and positioning AGV” (2014.11.1-2015.6.30)
- 【42】 In charge of enterprise project “Development of Winding Control Card of Rewinder and Discharge Compensation System of High Speed Winding Machine” (2011.7- 2013.1)

- 【43】 In charge of enterprise project “Development of interactive visual positioning system for fabric embroidery label” (2011.10.24-2012.2.28)
- 【44】 In charge of enterprise project “Development of milk quantity collection system based on RFID and vision” (2013.2.20-2013.8.31)

PUBLICATIONS

Part 1: Journal papers

- 【1】 Gang Peng, Zhenyu Ren, Hao Wang, **Xinde Li**, Deep Reinforcement learning with a stage incentive mechanism of Dense Reward for robotic trajectory planning, *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, Accepted 2022.
- 【2】 Dong, Yilin; **Li, Xinde**, Multi-Source Weighted Domain Adaptation with Evidential Reasoning for Activity Recognition, *IEEE Trans. On Industrial Informatics*, 10.1109/TII.2022.3182780, 2022.
- 【3】 Gang Peng, Zhenyu Ren, Hao Wang, **Xinde Li**, Mohammad Omar Khyam, A self-supervised learning-based 6-DOF grasp planning method for manipulator, *IEEE Transactions on Automation Science and Engineering*, 10.1109/TASE.2021.3128639, 2021.
- 【4】 Xianghui Li, **Xinde Li**, Zhijun Li, Xinran Xiong, Mohammad Omar Khyam, Changyin Sun. Robust Vehicle Detection in High-Resolution Aerial Images with Imbalanced Data, *IEEE Transactions on Artificial Intelligence*, DoI: 10.1109/TAL.2021.3081057
- 【5】 Weijie Sheng, **Xinde Li**. Multi-task learning for gait-based identity recognition and emotion recognition using attention enhanced temporal graph convolutional network, *Pattern Recognition*, Accepted, Doi:10.1016/j.patcog.2021.107868.
- 【6】 Dong, Yilin; **Li, Xinde**; Dezert, Jean, Evidential Reasoning with Hesitant Fuzzy Belief Structures for Human Activity Recognition, *IEEE transaction on Fuzzy systems*, DoI :10.1109/TFUZZ.2021.3079495.
- 【7】 Yilin Dong; Xinde Li; Jean Dezert; Rigui Zhou; Changming Zhu; Shuzhi Sam Ge, Multi-Criteria Analysis of Sensor Reliability for Wearable Human Activity Recognition, *IEEE Sensors Journal*, 2021, 21(17): 19144 – 19156
- 【8】 Gang Peng; Zezao Lu; Shanliang Chen; Dingxin He; Li Xinde, Pose Estimation Based on Wheel Speed Anomaly Detection in Monocular Visual-Inertial SLAM, *IEEE Sensors Journal*, DOI: 10.1109/JSEN.2020.3011945
- 【9】 Pei Li; Xinde Li; Xianghui Li, Hong Pan; M. O. Khyam; Md. Noor-A-Rahim; Shuzhi Sam Ge, Place perception from the fusion of different image representation, *Pattern Recognition*, 110 (2021) 107680.
- 【10】 Junjun Li, Zhijun Li, **Xinde Li**, Ying Feng, Bugong Xu, Skill Learning Strategy Based on Dynamic Motion Primitives for Human-Robot Cooperative Manipulation, *IEEE Transactions on Cognitive and Developmental Systems*, DOI: 10.1109/TCDS.2020.3021762 1
- 【11】 Gao Hongbo, Zhu Juping, **Li Xinde**, Lijiehao, Suhan, Automatic Parking Control of Unmanned Vehicle Based on Switching Control Algorithm and Backstepping, *IEEE Transactions on Mechatronics*, DOI: 10.1109/TMECH.2020.3037215.
- 【12】 Peng Gang, Lu Zezao, Chen Shanliang, He Dingxin, **Li Xinde**, Pose Estimation Based on Wheel Speed Anomaly Detection in Monocular Visual-Inertial SLAM, *IEEE Sensor Journal*, Accepted, 2020.

- 【13】 Md. Noor-A-Rahim , Mohammad Omar Khyam , Md. Apel Mahmud, Md. Tanvir Ishtaique ul Huque , **Xinde Li** , Dirk Pesch, Amanullah M. T. Oo , Robust and Real-Time State Estimation of Unstable Microgrids over IoT Networks, *IEEE Systems Journal*, Accepted, 2020.
- 【14】 Yilin Dong, Xinde Li, Jean Dezert , Shuzhi Sam Ge, Dezert-Smarandache Theory-Based Fusion for Human Activity Recognition in Body Sensor Networks, *IEEE Trans. On Industrial Informatics*, DOI: 10.1109/TII.2020.2976812, In press,2020
- 【15】 Zain Anwar Ali, **Xinde Li**. Controlling of an Under-Actuated Quadrotor UAV Equipped with a Manipulator, *IEEE Access*, DOI: 10.1109/ACCESS.2020.2974581, 2020, 8 (1): 2169-3536
- 【16】 Weijie Sheng, **Xinde Li**. Siamese Denoising Autoencoders for Joints Trajectories Reconstruction and Robust Gait Recognition , *Neurocomputing*, 2020, 395 (28): 86-94. DOI:10.1016/j.neucom.2020.01.098
Zain Anwar Ali, Xinde Li, Modeling and Controlling the Dynamic Behavior of an Aerial Manipulator, *Fluctuation and Noise Letters*, 2020,20 (05): DOI: 10.1142/S0219477521500449
- 【17】 Xianghui Li; Xinde Li; Hong Pan , Multi-Scale Vehicle Detection in High-Resolution Aerial Images With Context Information, *IEEE Access*, DOI: 10.1109/ACCESS.2020.3036075
- 【18】 Mohammad Omar Khyam; Md. Noor-A.- Rahim; Xinde Li; Aruna Jayasuriya; Md. Apel Mahmud; Amanullah Maung Than Oo; Shuzhi Sam Ge, Simultaneous Excitation Systems for Ultrasonic Indoor Positioning, *IEEE Sensors Journal*, DOI: 10.1109/JSEN.2020.3006930
- 【19】 Zain Anwar Ali, **Xinde Li**, Muhammad Ahsan Tanveer. Controlling and Stabilizing the Position of Remotely Operated Underwater Vehicle Equipped with a Gripper, *Wireless Personal Communications*, <https://doi.org/10.1007/s11277-019-06938-2>
- 【20】 Dong yilin, Li xinde, Jean Dezert, Shuzhi Sam Ge, A Novel Multi-Criteria Discounting Combination Approach for Multi-Sensor Fusion, *IEEE Sensor Journal*, 19 (20) 10.1109/JSEN.2019.2922769
- 【21】 Md Noor-A-Rahim , M. Omar Khyam, Xinde Li, Dirk Pesch. Sensor Fusion and State Estimation of IoT Enabled Wind Energy Conversion System. *Sensors*, 19(7):1566. DOI: 10.3390/s19071566
- 【22】 Pei Li, Xinde Li. Text-based indoor place recognition with deep neural network. *Neurocomputing* (In press) , 2019. <https://doi.org/10.1016/j.neucom.2019.02.065>
- 【23】 Zain Anwar Ali, Xinde Li. Adaptive Synergetic Controller for the stabilization of mini helicopter. *Methan University Research Journal of Engineering and Technology*, 2019.,38(2):251-258
- 【24】 Zain Anwar Ali, Xinde Li. Modeling and Controlling of quadrotor aerial vehicle equipped with a gripper. *Measurement & Control*, 52 (5-6) : 577-587, 2019. DOI: 10.1177/0020294019834040
- 【25】 Xinde Li,Pei Li. A Welding Seam Identification Method based on cross modal perception. *Industrial robot*, 46 (3): 453-459, 2019. DOI:10.1108/IR-09-2018-0182
- 【26】 Mohammad Omar Khyam, Noor-A-Rahim, Xinde Li, Design of Chirp Waveforms for

- Multiple-access Ultrasonic Indoor Positioning, *IEEE Sensor Journal*, 18 (15): 6375-6390, 2018. DOI: 10.1109/JSEN.2018.2846481
- 【27】 Dong yilin, Li xinde, A fast combination method in DSMT and its application to recommender system, *PLOS ONE* <https://doi.org/10.1371/journal.pone.0189703> January 19, 2018
- 【28】 Mohammad Omar Khyam, Xinde Li, Sam Shuzhi Ge, Multiple Access Chirp-based Ultrasonic Positioning, *IEEE Transactions on Instrumentation and Measurement*, 66(12):3126-3137, 2017. DOI: 10.1109/TIM.2017.2737898.
- 【29】 Xianghui Li, Xinde Li, Mohammad Omar Khyam, Sam Shuzhi Ge. Robust Welding Seam Tracking and Recognition, *IEEE Sensors Journal*, 17(17), pp.5609-5617, 2017.
- 【30】 Xinde Li, Xianghui Li, Sam Shuzhi Ge, Mohammad Omar Khyam, Chaomin Luo, Automatic Welding Seam Tracking and Identification, *IEEE Transactions on Industrial Electronics*, 64(9), pp.7261-7271, 2017, DOI: 10.1109/TIE.2017.2694399
- 【31】 Li, XH; Li, XD; Tan, YZ, Visual navigation method for indoor mobile robot based on extended BoW model, *CAA Transactions on Intelligence Technology*, 2017. 2 (4), pp.142-147
- 【32】 Mohammad Omar Khyam, Sam Shuzhi Ge, Xinde Li, Mark Pickering, Pseudo-orthogonal Chirp-based Multiple Ultrasonic Transducer Positioning, *IEEE Sensors Journal*, 17(12): 3832 – 3843, 2017.6 DOI: 10.1109/JSEN.2017.2698470
- 【33】 Mohammad Omar Khyam, Sam Shuzhi Ge, Xinde Li, Mark Pickering, Orthogonal Chirp-based Ultrasonic Positioning, *Sensor*, 2017, 17(5), 976; doi:10.3390/s17050976
- 【34】 Mohammad Omar Khyam, Sam Shuzhi Ge, Xinde Li, Mark Pickering, Highly Accurate Time-of-Flight Measurement Technique based on Phase-correlation for Ultrasonic Ranging, *IEEE Sensors Journal*, 2017, 17(2), pp.434-443. DOI: 10.1109/JSEN.2016.2631244.
- 【35】 Chaomin Luo, Simon X. Yang, Xinde Li (Corresponding Author), and Max Q.-H. Meng, Neural Dynamics Driven Complete Area Coverage Navigation Through Cooperation of Multiple Mobile Robots, *IEEE Transactions on Industrial Electronics*, 64(1), pp.750-760, <http://dx.doi.org/10.1109/TIE.2016.2609838>, 2017.1
- 【36】 Xinde Li, Yilin Dong, Chaomin Luo and Yingzi Tan, A Method of Aircraft Target Recognition Based on LLE and HMM, *International Journal of Robotics and Automation*, 2017.2.. 32 (2) :158-163.
- 【37】 Xinde Li, Jean Dezert and Chaomin Luo, Yingzi Tan, Generic Object Recognition Based on the Feature Fusion in Robot Perception, *International Journal of Robotics and Automation*, DOI: 10.2316/Journal.206.2016.5.206-4706, 31 (5) :409-415, 2016
- 【38】 Xinde Li, Fengyu Wang, A Clustering Based Evidence Reasoning Method, *International Journal of Intelligent Systems*, 31(7), July 2016 : 698 – 721
- 【39】 Xindeli, etc. A Visual Navigation Method of Mobile Robot Using a Sketched Semantic Map, *International Journal of Advanced Robotic Systems*, 2012, 9 (138)
- 【40】 Zhang, HB; Huang, XH; (...); Peng, G, Precise control of linear systems subject to actuator saturation using tracking differentiator and reduced order composite nonlinear feedback control, *International Journal of Systems Science*, 2012, 43 (2), pp.220-230
- 【41】 Xindeli, etc. An Interactive Visual Navigation Method Using a Hand-drawn- Route-Map in an Unknown Dynamic Environment, *International Journal of Fuzzy Systems*, 2011, 13 (4),
- 【42】 Xindeli. Evidence Supporting Measure of Similarity for Reducing the Complexity in

Information Fusion, *information Sciences* 2011,181 (10)

- 【43】 Xindeli, etc. Fusion of imprecise qualitative information. *Applied Intelligence* 2010,33 (3) , DOI: 10.1007/s10489-009-0170-2
- 【44】 Xindeli, etc. Combination of Qualitative Information Based on 2-Tuple Modelings in DSMT. *Journal of Computer Science and Technology*. 2009 , 24(4):786~798
- 【45】 Xinde Li, etc. A Successful Application of DSMT in Sonar Grid Map Building and Comparison with DST-based approach. *International Journal of Innovative Computing, Information and Control*, 2007,3(3): 539-549
- 【46】 陈恺丰;田博睿;李和清;赵晨阳;陆祖兴;李新德;邓勇, 基于DDPG算法的双轮腿机器人运动控制研究, *系统工程与电子技术*, <https://kns.cnki.net/kcms/detail/11.2422.tn.20220613.0923.007.html>
Chen Kaifeng,Tian Borui,Li Heqing,Zhao Chenyang,Lu Zuxing, Li Xinde, DENG Yong.Research on DDPG-based motion control of two-wheel-legged robot. *Systems Engineering and Electronics*, <https://kns.cnki.net/kcms/detail/11.2422.tn.20220613.0923.007.html>.
- 【47】 徐义飞;李晓冬;李新德, 一种基于定位和非对称补偿的伪装目标分割方法, *系统工程与电子技术*. 2022,44(09): 2707-2715
Xu Yifei,Li Xiaodong,Li Xinde.A method of camouflaged object segmentation with locating and asymmetric compensation. *Systems Engineering and Electronics*. 2022,44(09):2707-2715.
- 【48】 唐艳秋;潘泓;朱亚平;李新德, 图像超分辨率重建研究综述, *电子学报*, 2020,48(07): 1407-1420
Tang Yanqiu,Pan Hong,Zhu Yaping,Li Xinde.A survey of image super-resolution reconstruction. *Acta Electronica Sinica*. 2020,48(07): 1407-1420.
- 【49】 孙振华;李新德, 基于卷积神经网络的多标签飞机识别算法, *计算机应用与软件*, 2018,35(09): 270-274
Sun Zhenhua,Li Xinde.Multi-label aircraft recognition algorithm based on convolutional neural network. *Computer Applications and Software*, 2018,35(09): 270-274.
- 【50】 成杰;李新德, 基于Hu矩与改进PNN的飞机姿态识别算法, *航空兵器*, 2017,(01): 55-61
Cheng Jie,Li Xinde.An algorithm of aircraft pose recognition based on Hu moments and IPNN. *Aero Weaponry*,2017, (01): 55-61.
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