



ICNISC 2022 & IASC 2022

# **PROGRAM BOOK**

**September 16th, 2022**

**Tencent Meeting**

# Joint Conference

8th Annual International Conference on Network and Information Systems for Computers [ICNISC 2022] will be held on September 16th.

The conference official website is: <http://www.icnisc2022.com/>.

ICNISC2022 is co-held with 2022 International Conference on Intelligent Automation and Soft Computing [IASC2022].

The conference official website is: <http://www.iasc2022.com/>.

# **8th Annual International Conference on Network and Information Systems for Computers [ICNISC2022]**

September 16<sup>th</sup>, 2022  
<http://www.icnisc2022.com/>

The 8th Annual International Conference on Network and Information Systems for Computers [ICNISC 2022] will be held on September 16, 2022 online via Tencent Meeting. The aim of ICNISC 2022 is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in computer networks and information system. It provides opportunities for the delegates to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration. We look forward to welcome you in ICNISC 2022 and wish you a fruitful and enjoyable stay in.

Contact:

Email: [icnisc@vip.163.com](mailto:icnisc@vip.163.com)

Tel&WeChat: (+86) 15342214945

# **2022 International Conference on Intelligent Automation and Soft Computing [IASC2022]**

September 16<sup>th</sup>, 2022  
<http://www.iasc2022.com/>

2022 International Conference on Intelligent Automation and Soft Computing (IASC2022) will be held on September 16, 2022 online via Tencent Meeting. The IASC2022 is a not-to-be-missed opportunity that distills the most current knowledge on a rapidly advancing discipline in one conference. Join key researchers and established professionals in the field of Intelligent Automation, Soft Computing, and Control Technologies as they assess the current state-of-the-art and roadmap crucial areas for future research. We look forward to welcome you in IASC2022 and wish you a fruitful and enjoyable stay in.

Contact:

Email: [IASC2022@163.COM](mailto:IASC2022@163.COM)

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# **SCHEDULE OF THE CONFERENCE**

**Due to the COVID-19 situation and travel restrictions, ICNISC2022 & IASC2022 will be converted into a virtual conference, which will be held via the Tencent Meeting.**

**September 16th, 2022 (Friday) 09:00-20:00 (GMT+08:00, BEIJING)**

**Tencent Meeting**

**Meeting ID: 602-353-350**

**Join conference via weblink**

**<https://meeting.tencent.com/dm/u0GqrrRsrISP>**

9:00-9:10	Open Ceremony
9:10-9:50	Keynote Speech I Prof. Yinglei Song
9:50-10:50	Keynote Speech II Prof. Anand Nayyar
10:50-11:30	Keynote Speech III Prof. MA. Jabbar
11:30-12:10	Keynote Speech IV Dr. M. Seenivasan
14:00-14:40	Keynote Speech V Prof. Samir Ladaci
14:40-15:20	Keynote Speech VI Dr. T. Velmurugan
15:20-20:00	Oral Presentation & Poster Presentation

# 会议日程

2022年9月16日，周五 09:00-20:00 (GMT+08:00, 北京时间)

腾讯会议

会议 ID: 602-353-350

点击链接入会，或添加至会议列表

<https://meeting.tencent.com/dm/u0GqrrRsrISP>

9:00-9:10	开幕式
9:10-9:50	主讲人演讲 I Prof. Yinglei Song
9:50-10:50	主讲人演讲 II Prof. Anand Nayyar
10:50-11:30	主讲人演讲 III Prof. MA. Jabbar
11:30-12:10	主讲人演讲 IV Dr. M. Seenivasan
14:00-14:40	主讲人演讲 V Prof. Samir Ladaci
14:40-15:20	主讲人演讲 VI Dr. T. Velmurugan
15:20-20:00	口头报告和海报展示

**PS:**在线会议时间上不能精确控制，参会人员请一直在线（特别是需要演讲的人员，在指定人员演讲之间，组委会短信和邮件通知）

## Open Ceremony (9:00-9:10)

### Keynote Speakers

Time Converter: <https://www.timeanddate.com/worldclock/meeting.html>

### Keynote Speaker I

Beijing (China - Beijing Municipality) Friday, September 16<sup>th</sup>, 2022 9:10-9:50



**Prof. Yinglei Song, Jiangsu University of Science and Technology, China**

**Biography:** Yinglei Song received his Ph.D. in computer science from the University of Georgia, USA in 2006. From year 2007 to 2012, he worked as an assistant professor of computer science at the University of Maryland Eastern Shore, USA. Currently he is working as a professor of information and computer science at the Jiangsu University of Science and Technology, China. He has published more than 80 papers in peer reviewed international journals and conferences. He was selected as one of the Specially Appointed Professors of Jiangsu Province in 2015. He is currently serving in the editorial boards of a number of well known international research journals. His research interests include image processing, machine learning, data mining, bioinformatics, design and analysis of algorithms.

### **Speech Title: Information Hiding and Image Encryption with Chaotic Systems and Optimization**

**Abstract.** With the significant development and achievements in information technology, securely protecting crucial information and data from undesirable accesses has become an important problem in information science. Information hiding techniques can securely hide important information into digital media such as images, documents, videos etc. On the other hand, image encryption methods can encrypt an image such that its content cannot be seen or obtained by an adversary side.

In this talk, I will present a new algorithmic framework for secure information hiding and image encryption. The framework utilizes chaotic systems for the encryption of information and develops objectives that can measure the security of hidden information or encrypted images. Objectives can be optimized with different optimization methods to significantly enhance the security of hidden information or encrypted images. In addition, I will present experimental results obtained with two algorithms developed based on the framework and discuss their advantages and disadvantages in practice.

## Keynote Speaker II

Beijing (China - Beijing Municipality) Friday, September 16<sup>th</sup>, 2022 9:50-10:50

Vietnam (Hanoi Municipality) Friday, September 16<sup>th</sup>, 2022 8:50-9:50



### **Prof. Anand Nayyar, Duy Tan University, Vietnam**

**Biography:** Dr. Anand Nayyar received Ph.D (Computer Science) from Desh Bhagat University in 2017 in the area of Wireless Sensor Networks, Swarm Intelligence and Network Simulation. He is currently working in School of Computer Science-Duy Tan University, Da Nang, Vietnam as Assistant Professor, Scientist, Vice-Chairman (Research) and Director- IoT and Intelligent Systems Lab. A Certified Professional with 100+ Professional certificates from CISCO, Microsoft, Amazon, EC-Council, Oracle, Google, Beingcert, EXIN, GAQM, Cyberoam and many more. Published more than 130+ Research Papers in various High-Quality ISI-SCI/SCIE/SSCI Impact Factor Journals cum

Scopus/ESCI indexed Journals, 100+ Papers in International Conferences indexed with Springer, IEEE Xplore and ACM Digital Library, 40+ Book Chapters in various SCOPUS, WEB OF SCIENCE Indexed Books with Springer, CRC Press, Wiley, IET, Elsevier with Citations: 6000+, H-Index: 40 and I-Index: 150. Member of more than 50+ Associations as Senior and Life Member including IEEE, ACM. He has authored/co-authored cum Edited 35+ Books of Computer Science. Associated with more than 500+ International Conferences as Programme Committee/Chair/Advisory Board/Review Board member. He has 18 Australian Patents, 8 Indian Design cum Utility Patents, 3 Indian Copyrights, 2 Canadian Copyrights and 3 German Patents to his credit in the area of Wireless Communications, Artificial Intelligence, Cloud Computing, IoT and Image Processing. Awarded 38 Awards for Teaching and Research—Young Scientist, Best Scientist, Young Researcher Award, Outstanding Researcher Award, Excellence in Teaching and many more. He is acting as Associate Editor for Wireless Networks (Springer), Computer Communications (Elsevier), International Journal of Sensor Networks (IJSNET) (Inderscience), Frontiers in Computer Science, PeerJ Computer Science, Human Centric Computing and Information Sciences (HCIS), IET-Quantum Communications, IET Wireless Sensor Systems, IET Networks, IJDST, IJISP, IJCINI, IJGC. He is acting as Editor-in-Chief of IGI-Global, USA Journal titled “International Journal of Smart Vehicles and Smart Transportation (IJSVST)”. He has reviewed more than 1800+ Articles for various Web of Science Indexed Journals He is currently researching in the area of Wireless Sensor Networks, IoT, Swarm Intelligence, Cloud Computing, Artificial Intelligence, Drones, Blockchain, Cyber Security, Network Simulation and Wireless Communications.

### **Speech Title I: Internet of Medical Things (IoMT)**

**Abstract I.** With the accelerated pace of life, people don't want to spend more time on hospital registration, procedure, and other trivial things. Internet of medical things can help it by applying internet in medical staff, like the patient can make an appointment online, the



personal information and the very first disease description can be sent to hospital information system and assigned to a doctor, which decreases time on waiting and personal information registration. For people living somewhere far away from medical resources, remote medical treatment may be a good choice to let the man away from distant puzzles. Even inside the hospital, the internet can be useful by sending physical checking messages from doctor to specialist for a traffic injured patient. Internet of medical things can be really helpful in our life, and we do need it.

The internet of medical things (IoMT), also known as healthcare IoT, describes almost any type of internet-connected medical or wellness device. From smart stethoscopes to consumer wearables, examples of this trending development in healthcare tech continue to pop up.

In this lecture, a detailed conceptual methodology of concept and techniques deriving Internet of Medical Things and connected terminologies will be elaborated. The lecture will also outline, case studies, latest technologies and research orientations.

## **Speech Title II: Metaverse: Next Generation Augmented Reality**

**Abstract II.** Metaverse is a virtual reality world where users can interact, game and experience things as they would in the real world. Using current AR and VR tech, they can immerse into this world and interact with overlaying objects and people in the visual projected in front of them.

The sci-fi term combines “meta” and “universe” to refer to the concept that there is a network of these universes or worlds. You might have recognized similar themes in movies like “Ready Player One” or TV shows like “Black Mirror,” in which characters plug in and enter a different world, maybe even have a whole other life. Our tech isn’t quite there yet, but more on that later. “The metaverse is the real world virtualized,” Bob Bilbruck, CEO at tech consulting firm Captjur, told TheWrap. “ The lecture will outline the basic foundation, concepts and motive behind metaverse. In addition, how metaverse lays foundation for future augmented reality

## Keynote Speaker III

Beijing (China - Beijing Municipality) Friday, September 16<sup>th</sup>, 2022 10:50-11:30

India (New Delhi Municipality) Friday, September 16<sup>th</sup>, 2022 8:20-9:00



**Prof. MA. Jabbar, Vardhaman College of Engineering, India**

**Biography:** Dr. M. A. JABBAR is a Professor and Head of the Department AI&ML, Vardhaman College of Engineering, Hyderabad, Telangana, India. He obtained Doctor of Philosophy (Ph.D.) from JNTUH, Hyderabad, and Telangana, India. He has been teaching for more than 20 years. His research interests include Artificial Intelligence, Big Data Analytics, Bio-Informatics, Cyber Security, Machine Learning, Attack Graphs, and Intrusion Detection Systems.

### **Speech Title: Role of Machine learning Techniques in Intrusion Detection System**

**Abstract.** Machine Learning (ML) techniques are omnipresent and are widely used in various applications. ML is playing a vital role in many fields like Health care, agriculture, Finance, and in Security.

Intrusion Detection System (IDS) plays a vital role in security architecture of many organizations. An IDS is primarily used for protection of network and information system. IDS monitor the operation of host or a network.

Machine learning approaches have been used to increase the detection rate of IDS. Applying ML can result in low False Alarm Rate and high detection rate. This talk will discuss about how machine learning techniques are applied for host and network intrusion Detection system.

## Keynote Speaker IV

Beijing (China - Beijing Municipality) Friday, September 16<sup>th</sup>, 2022 11:30-12:10

India (New Delhi Municipality) Friday, September 16<sup>th</sup>, 2022 9:00-9:40



### **Dr. M. Seenivasan, Annamalai University, India**

**Biography:** Dr. M. Seenivasan was awarded Ph.d degree by Annamalai University in the year 2012. He got the B.Sc. degree in Mathematics from St. Xavier's College, Palayamkottai. He did M.Sc, (Applied Mathematics) in Thiagarajar College of Engineering Madurai. He is currently working as Associate Professor and Wing Head, Department of Mathematics - DDE, Annamalai University. He has 19 years of teaching and 17 years of research experience. His area of research is Stochastic Processes and its Applications, Graph theory and Computer Networks. He has published more than 50 research articles in reputed international journals. He has guided 22 M.Phil scholars. At present, he is guiding Six Ph.D Research scholars. He is one of the editorial members of more than 20 international journals. He organized four international conferences in abroad and Ten international conferences within India. He Coordinated 10 Faculty Improvement Programmes in different fields. He acted as Invited speaker/Keynote Speaker in more than 30 International Conferences. He visited and organized the International Conference in Thailand, Malaysia, Singapore, Cambodia and USA.

**Speech Title: Multi-Server Queueing Model with Server Breakdown**

## Keynote Speaker V

Beijing (China - Beijing Municipality) Friday, September 16<sup>th</sup>, 2022 14:00-14:40

Algeria (Algiers Municipality) Friday, September 16<sup>th</sup>, 2022 7:00-7:40



**Prof. Samir Ladaci, National Polytechnic School at Algiers, Algeria**

**Biography:** Samir Ladaci received the State Engineer degree in Automatics from the Polytechnic School of Algiers in 1995 and the Magister degree in Industrial Automation from Annaba University, Algeria in 1999. He received his Ph.D. and HDR degree (Habilitation à diriger les Recherches) from the department of Electronics, Mentouri University of Constantine, Algeria in 2007 and 2009 respectively. From 2001 to 2013, he was an assistant professor and then associate professor (Maitre de conférence 'A') in the Department of Electrical Engineering at Skikda University, Algeria. And from December 2013 to October 2021 he was with the National Polytechnic School of

Constantine, Algeria as a Full Professor in Automatics and Control Engineering since January 2015. Beginning from 1st November 2021 he joins the National Polytechnic School at Algiers, Algeria. He is the Head of the research group 'Optimized Systems and Fractional Order Control' at the Laboratory 'Communication and Photovoltaic Conversion Device'. He authored more than 170 papers in indexed journals and international conference proceedings and coauthored a Book and many book chapters; he also supervised more than 10 (ended) PhD theses. His current research interests include Fractional order Systems and Control, Fractional Adaptive Control, Robust Control, Fractional order chaotic systems, Identification.

### **Speech Title: New Developments in Fractional Order MRAC-based Adaptive Control Design**

**Abstract.** FOMRAC has attracted recently a great research effort and interest due to its efficiency, simplicity of implementation and applicability to a wide range of practical processes.

In this talk, I shall introduce some novel fractional order adaptive control approaches based on model reference adaptive control (MRAC) structure for a class of (commensurate) fractional order linear systems with an arbitrary relative degree whose parameters are unknown.

A fast review of the state of the art concerning this relatively new research axis is given to illustrate the interest of this study.

By generalizing the application of standard direct MRAC strategy to plants described by fractional order models, we were able to develop a new fractional adaptive control scheme based on the output feedback.

We also define a new adaptation control law ensuring the stability of the closed loop system and the perfect tracking of the reference trajectory.

The asymptotic stability of the fractional order control system is proven using an extension of

the Lyapunov direct method. Simulation results show the effectiveness of the proposed control method.  
Further possible developments are discussed in concluding remarks.

## Keynote Speaker VI

Beijing (China - Beijing Municipality) Friday, September 16<sup>th</sup>, 2022 14:40-15:20

India (New Delhi Municipality) Friday, September 16<sup>th</sup>, 2022 12:10-12:50



**Dr. T. Velmurugan, Dwaraka Doss Goverdhan Doss Vaishnav College, India**

**Biography:** Dr. T. Velmurugan is working as an Associate Professor in the PG and Research Department of Computer Science and Applications, Dwaraka Doss Goverdhan Doss Vaishnav College (Affiliated to University of Madras), Chennai-600106, India. Also, he is the Advisor and Head, Department of Computer Applications (BCA). He holds a Ph.D. degree in Computer Science from the University of Madras. He has 29 years of teaching experience. He guided more than 300 M.Phil., and 18 Ph.D., Research Scholars. He has published more than 120 articles in SCOPUS and SCI indexed journals. He elected and served as a Senate Member from Academic Council, University of Madras. He has a lot of administrative experiences. He served as advisory board member to many academic institutions in and around Tamil Nadu, India. He was an invited speaker and keynote speaker for many international conferences around the world. He served as a nominated Senate Member in the Middle East University, Dubai, UAE for a period of three years. He is a member in Board of studies for many autonomous institutions and Universities. Also, he organized international Conferences and workshops. In addition, he was a resource person for various national workshops entitled "Scientific Research Article Writing and Journal Publications" and many of the recent topics in Computer Science. He is an Editorial Board Member of 7 International Journals. He also a reviewer in many peer reviewed journals like Elsevier, Springer, IEEE and IOSPress Journals etc. He is the Chair person for the Government of Tamil Nadu State for XII standard book titled as "Electronics and Hardwares". Further, he is a visiting faculty for M.Phil. Course for various universities throughout India. His H index is 19 and i10 index is 28. His area of specialization includes Data Mining, Artificial Intelligence, Machine Learning, Network Security, Big Data Analytics, Data Science and etc.

**Speech Title: Social Impact of Robotic Process Automation**

## Session #1 List of Keynote Speech:

(40 mins for every Keynote Speech)

September 16<sup>th</sup>, 2022 9:10—12:10

<b>Session #1</b>	<b>Time</b>	<b>Speech Title</b>	<b>Keynote Speaker</b>
<b>Keynote Speech I</b>	9:10—9:50	Information Hiding and Image Encryption with Chaotic Systems and Optimization	Prof. Yinglei Song
<b>Keynote Speech II</b>	9:50—10:50	Title I: Internet of Medical Things (IoMT) Title II: Metaverse: Next Generation Augmented Reality	Prof. Anand Nayyar
<b>Keynote Speech III</b>	10:50—11:30	Role of Machine learning Techniques in Intrusion Detection System	Prof. MA. Jabbar
<b>Keynote Speech IV</b>	11:30-12:10	Multi-Server Queueing Model with Server Breakdown	Dr. M. Seenivasan
<b>Keynote Speech V</b>	14:00-14:40	New Developments in Fractional Order MRAC-based Adaptive Control Design	Prof. Samir Ladaci
<b>Keynote Speech VI</b>	14:40-15:20	Social Impact of Robotic Process Automation	Dr. T. Velmurugan

## Session #2 List of Oral Presentation:

(10 min presentation and 5 min question time)

September 16<sup>th</sup>, 2022 15:20—19:00(时间仅供参考, 具体视每个演讲者时间)

Session #2	Time	Paper Title	Author
T1097	15:20-15:35	A Novel Wearable Multi-Channel Pulse Monitor Combined with Machine Learning for Screening	Xiaoxiao Kang, Kang Yu, Guotai Wang, Lin Huang, Yitao Zhang, Jun Zhang
C1167	15:35-15:50	Anti-noise Fault Diagnosis Model Based on Convolutional Neural Network	Heng Chen, Shikun Zhou, Lei Shi, Yingying Yue and Ninggang An
C610	15:50-16:05	The Simulation of the Signal Detection Algorithm in MIMO System Application	Yalin Kang, Jie Guo, Mingyan Xiao and Di Wu
C642	16:05-16:20	An Image Encryption Scheme Based on 4D Chaotic System and Permutation-diffusion Operations	Jingxuan Ni, Yuhan Tang and Ruisong Ye
C653	16:20-16:35	A Non-contact Active Sensor for Detecting or Monitoring Electricity Transmission State of High Voltage AC Power Grid	Haipeng Zhang, Jiejian Mao, Rijian Yao, Qiu Tu, Xing He, Fu Chen, Zifa Zhou, Jianrong Yang, Long Pang, Yi Xu, Chusi Hu, Tiancheng Chen and Yongjian Wu
C657	16:35-16:50	Research on Keyword Selection and Usage in Scientific Papers	Yuqing Li and Yu Cao
C1107	16:50-17:05	A Digital Twin of Instructor in Higher Education	Yongbin Zhang, Ronghua Liang, Li Wei, Xiuli Fu and Yanying Zheng



C1138	17:05-17:20	Global Feature Extraction Graph Neural Networks for Session Recommendation	Yungang Yang, Xing Xing, Shiqi Wang, Jiale Chen and Zhichun Jia
C1155	17:20-17:35	Design of Embedded Power Line Detection System Based on 5G and RV1126	Bo ñaho Bocochi Dalia and Sannan Yuan
C1163	17:35-17:50	A Metamorphic Testing Approach Based on Normal Function Tables	Xuan Zhang, Yingqian Hao, Peng Lin and Peng Zhang

### Session #3 List of Poster Presentation:

September 16<sup>th</sup>, 2022(指定的地方浏览和观看 poster)

Session#3	Paper Title	Author
T105	Wavelet-based Compressive Total Variation for Image Processing	Di Wang and Wanshe Li
C603	Cloud Computing Resource Allocation Considering Link Switching and Computing Resource Borrowing	Wei Zhi, Yaowen Ye, Qian Xu and Tigang Jiang
C605	A Parallel XML Parsing Algorithm Based on NEM-XML	Yunsong Zhang
C606	Application Research of Automatic Acupoint Finding Based on Binocular Vision Positioning and Skeleton Recognition	Zheng Fu, Jun Liu, Qishun Wei and Weijian Zhang
C608	Research on Problems, Challenges and Opportunities Based on Internet of Things (IoTs) and Cloud Computing	Baohui Shi , Yannan Yin and Hai Lu
C609	Design and Test of Oil Fume Monitoring System for Central Kitchen	Liang Zhang, Zhihui Zhou, Yunjie Xu, Xun Guan and Yan Zhang
C611	Design and Implementation of Virtual Agricultural Internet of Things Experimental Platform	Chunze Hua, Senxin Shu, Xuanyu Zhou, Liwei Wang
C617	Intrusion Detection Based on Data Privacy in Cloud-Edge Collaborative Computing Using Federated Learning	Xiao Zhang, Youhuai Wang, Yong Cai, Xiaoming Chen, Yuxiong He and Shi Jin
C618	The Influence and Application of Computer Technology on Architectural Design	Yan Du

C620	Optimization of Industrial Water System Based on Artificial Bee Colony Algorithm	Kecheng Liu, Haojun Bi, Lijun Zhang and Yingnan Wang
C621	Application Research on Quality Improvement of Agricultural Industry Chain Based on Blockchain Technology	Song Tang, Zhiqiang Wang and Suli Ge
C622	Research on Using Docker Container Technology to Realize Rapid Deployment Environment on Virtual Machine	Wei Wang
C623	Research on Weld Defect Identification Technology Based on EMD and BP Neural Network	Shuzheng Guo, Zhaohua Liu and Yufeng Tan
C625	An Abnormal Behavior Detection Method Based on Feature Extraction	Zhenyu Han, Wenjing Wang, Zhiwu Chen and QingE Wu
C626	Research on Prediction Algorithm of Thermal Power Generation Steam Volume Based on Model Fusion	Angru Li, Jiajia Chen, Shaoliang Ling, Qi Liu and Ni Yan
C628	Cloud Service Composition and Optimization Selection Based on Hybrid Service Composition Algorithm	Feixiang Diao, Zhichun Jia, Ruiyan Wang and Xing Xing
C630	Research on Prototype System for Electromagnetic Spectrum Management and Control Based on GIS	Deqiang Kong, Baoping Yang and Fen Li
C632	A Method for Supplementing the Knowledge Graph of Power User Service	Gaofeng Xu and Zhizheng Zhang
C635	Exposure Image Correction Based on Fuzzy Theory	Liangna Zou and Zhan Wu
C636	The Research of the Fashion Industry Driving by Big Data	Xiao Luo, Jinxin Gao and Yunping Jia
C640	Evaluating Steel Quality via the Feature Engineering Method	Jie Lin, Li Wan, Shaohong Fang and Hao Chen

C641	Analysis of Real-time Online Key Parameters of New Energy Pure Electric Vehicles Based on Big Data Mining	Caidong Gu and Zhaobin Liu
C648	A Reliable Reset Method for Softcore Microprocessor Symtem	Zhihong Wang, Mingxiong Wang, Qiang Li, Xiaorong Zhang, Peng Guo and Haozhi Ma
C649	Effects of Operating Temperature on Proton Exchange Membrane Fuel Cell Performance	Hongfang Li and Zhifei Wu
C652	Research on Eigenvalue Decomposition Algorithm Based on Polarization Calibration	Su Yun
C654	Design of High Precision Cigarette Online Sampling Device	Haihua Lu, Shunkai Sun, Sixiao Chen, Weilin Cao, Zhoufan Huang, Meng Shu, Yingxiao Chi and Liang Chen
C655	GPU-based Real-time Image Mosaicing for UAVs	Feng Tian, Yingbo Zhou, Jialin Cheng, Zhangwei Feng, Jiawei Yu, Guoxiang Ye and Shechuan Duan
C1096	A Novel Approach for Image Dehazing Via Spatial and Channel Feature Fusion	Duofeng Wang, Yanbo Zhang, Zilun Wan, Fengyang Gu, Mingyue Chen, Yurong Zhou, Yong Zhang and Yi Zhu
C1110	TranSal: Depth-guided Transformer for RGB-D Salient Object Detection	Cuili Yao, Lin Feng, Yuqiu Kong, Lin Xiao and Tao Chen
C1115	HED-CNN Based Ionospheric Clutter Extraction for HF Range-Doppler Spectrum	Xiangyuan Wang, Wozhan Li, Xiaochuan Wu, Ying Suo and Qiang Yang

C1124	Graph Neural Networks Based Recommendation Methods in Different Scenarios: A Survey	Hongyun Jiang, Xing Xing, Shuai Li, Jiale Chen and Zhichun Jia
C1129	An Adaptive Scheduling Framework for Distributed Key-Value Stores Using RDMA	He Wang, Dengyi Zhang, Zheng Yang and Wenhai Li
C1137	Real-Time Instruction Execution Monitoring with Hardware-Assisted Security Monitoring Unit in RISC-V Embedded Systems	Zhun Zhang, Qiang Hao, Dongdong Xu, Jiqing Wang, Jinhui Ma, Jiakang Liu, Jinlei Zhang and Xiang Wang
C1145	Satellite-ground Integrated Network Architecture and Key Enabling Technologies for 6G	Jingxian Wang, Ziao Quan, Zheming Liu and Jing Zhang
C1147	An Identification Method for Indication Value of Digital Display Instruments Based on Machine Vision	Wansheng Li, Yong Sun, Yucheng Zhao, Wei Jiang and Jianguo Wang
C1152	A Hardware-Assisted Security Monitoring Method for Jump Instruction and Jump Address in Embedded Systems	Qiang Hao, Dongdong Xu, Zhun Zhang, Jiqing Wang, Tong Le, Jiawei Wang, Jinlei Zhang, Jiakang Liu, Jinhui Ma and Xiang Wang
C1154	Recognition of Human-object Interaction in Video Through a Two-stream Network Integrating Multiple Features	Lunzheng Tan and Rui Ding
C1180	An Covariance Spectrum Sensing Algorithm Based on DMM / MME Mixture Features	Ruiyang Sun, Jingbo Zhang and Jiaying Kang
C1191	Gene Set Linkage Analysis: A Tool for Interpreting the Overall Functional Impacts of Observed Transcriptomic Changes	Li Ruan and Pengcheng Chen

## Table of Content

Server Load Balancing Using Linux .....	C601
<i>Chunyan Chen</i>	
Cloud Computing Resource Allocation Considering Link Switching and Computing Resource Borrowing .....	C603
<i>Wei Zhi, Yaowen Ye, Qian Xu and Tigang Jiang</i>	
Construction of Data-based Government Emergency Language Service Mechanism under Public Crisis .....	C604
<i>Yonghe Xiao</i>	
A Parallel XML Parsing Algorithm Based on NEM-XML .....	C605
<i>Yunsong Zhang</i>	
Application Research of Automatic Acupoint Finding Based on Binocular Vision Positioning and Skeleton Recognition .....	C606
<i>Zheng Fu, Jun Liu, Qishun Wei and Weijian Zhang</i>	
Research on Performance Evaluation of Government Data Open Platform .....	C607
<i>Tianpeng Gao, Ting Yu and Jialing Yan</i>	
Research on Problems, Challenges and Opportunities Based on Internet of Things(IoTs) and Cloud Computing .....	C608
<i>Baohui Shi, Yannan Yin and Hai Lu</i>	
Design and Test of Oil Fume Monitoring System for Central Kitchen .....	C609
<i>Liang Zhang, Zhihui Zhou, Yunjie Xu, Xun Guan and Yan Zhang</i>	
"The Simulation of the Signal Detection Algorithm in MIMO System Application .....	C610
<i>Yalin Kang, Jie Guo, Mingyan Xiao and Di Wu</i>	
Design and Implementation of Virtual Agricultural Internet of Things Experimental Platform .....	C611
<i>Chunze Hua, Senxin Shu, Xuanyu Zhou and Liwei Wang</i>	
Based on the Mechanical Model of Underwater Tree in Sea Trial Stage .....	C615
<i>Yi Huang, Shujie Liu, Wenbo Meng, Lei Li, Zhandong Li and Ruibin Fan</i>	
Research on Liquid Level Control System of Multi – Capacity Water Tank .....	C616
<i>Chunming Zhang, Yiyue Sun, Bingxi Liu, Xiang Ma and Wenxuan Bie</i>	

Intrusion Detection Based on Data Privacy in Cloud-Edge Collaborative Computing Using Federated Learning .....	C617
<i>Xiao Zhang, Youhuai Wang, Yong Cai, Xiaoming Chen, Yuxiong He and Shi Jin</i>	
The Influence and Application of Computer Technology on Architectural Design .....	C618
<i>Yan Du</i>	
Research on Types of LSA in OSPF Multiarea Network Based on ENSP .....	C619
<i>Li Guo, Yi Liu and Haiyan Liu</i>	
Optimization of Industrial Water System Based on Artificial Bee Colony Algorithm .....	C620
<i>Kecheng Liu, Haojun Bi, Lijun Zhang and Yingnan Wang</i>	
Application Research on Quality Improvement of Agricultural Industry Chain Based on Blockchain Technology .....	C621
<i>Song Tang, Zhiqiang Wang and Suli Ge</i>	
Research on Using Docker Container Technology to Realize Rapid Deployment Environment on Virtual Machine .....	C622
<i>Wei Wang</i>	
Research on Weld Defect Identification Technology Based on EMD and BP Neural Network .....	C623
<i>Shuzheng Guo, Zhaohua Liu and Yufeng Tan</i>	
CMAFS: Make Shibboleth IdP Support Multiple External Authentication Mechanisms .....	C624
<i>Qingnan Lai, Bo Wang, Yang Zhang and Ping Chen</i>	
An Abnormal Behavior Detection Method Based on Feature Extraction .....	C625
<i>Zhenyu Han, Wenjing Wang, Zhiwu Chen and QingE Wu</i>	
Research on Prediction Algorithm of Thermal Power Generation Steam Volume Based on Model Fusion .....	C626
<i>Angru Li, Jiajia Chen, Shaoliang Ling, Qi Liu and Ni Yan</i>	
Research on Accurate Law Popularization Model Based on Data .....	C627
<i>Xuesong Chen</i>	
Cloud Service Composition and Optimization Selection Based on Hybrid Service Composition Algorithm .....	C628
<i>Feixiang Diao, Zhichun Jia, Ruiyan Wang and Xing Xing</i>	

Discussion on the Strategies of Reading Promotion in University Intelligent Librarie—With Jiangnan University Library as an example .....	C629
<i>Xiaohong Xu</i>	
Research on Prototype System for Electromagnetic Spectrum Management and Control Based on GIS .....	C630
<i>Deqiang Kong, Baoping Yang and Fen Li</i>	
A Method for Supplementing the Knowledge Graph of Power User Service .....	C632
<i>Gaofeng Xu and Zhizheng Zhang</i>	
An Empirical Study on the Impact of Internet on Consumption Upgrading: Evidence from Rural Residents in China .....	C633
<i>Linlin Ma, Yanrong Li and Zhongye Chen</i>	
Handheld Remote Control Terminal Software Design .....	C634
<i>Hongwei Jiao, Zhenming Ma and Wanren Hua</i>	
Exposure Image Correction Based on Fuzzy Theory .....	C635
<i>Liangna Zou and Zhan Wu</i>	
The Research of the Fashion Industry Driving by Big Data .....	C636
<i>Xiao Luo, Jinxin Gao and Yunping Jia</i>	
Intelligent Tracked Robot Realizes Simple Detection .....	C637
<i>Xiaofeng Zhang and Dingchen Li</i>	
Data Literacy Education in Colleges and Universities of the Big Data Era .....	C638
<i>Xiaofeng Zhang, Ying Zhang and Jiachen Yu</i>	
Research on the Construction of Digital Intelligence College-Enterprise Cooperation Sharing System of Modern Logistics Management Specialty in Higher Vocational Colleges .....	C639
<i>Ke Wang</i>	
Evaluating Steel Quality via the Feature Engineering Method .....	C640
<i>Jie Lin, Li Wan, Shaohong Fang and Hao Chen</i>	
Analysis of Real-time Online Key Parameters of New Energy Pure Electric Vehicles Based on Big Data Mining .....	C641
<i>Caidong Gu and Zhaobin Liu</i>	



An Image Encryption Scheme Based on 4D Chaotic System and Permutation-diffusion Operations .....	C642
<i>Jingxuan Ni, Yuhan Tang and Ruisong Ye</i>	
Intelligent Fault Diagnosis of Ship Electromechanical Equipment Based on Improved Outlier Detection Algorithms .....	C643
<i>Bin Zeng, Chunhui Yang and Rui Wang</i>	
Discussion on Network Information Security Based on Cloud Computing Environment .....	C644
<i>Ting Chen and Haiyan Liu</i>	
Research on System Structure of College-Enterprise Cooperation Sharing Education Service Platform for Modern Logistics Management Specialty in Higher Vocational Colleges .....	C645
<i>Ke Wang</i>	
A Reliable Reset Method for Softcore Microprocessor Sytem .....	C648
<i>Zhihong Wang, Mingxiong Wang, Qiang Li, Xiaorong Zhang, Peng Guo and Haozhi Ma</i>	
Effects of Operating Temperature on Proton Exchange Membrane Fuel Cell Performance .....	C649
<i>Hongfang Li and Zhifei Wu</i>	
Research on Eigenvalue Decomposition Algorithm Based on Polarization Calibration .....	C652
<i>Su Yun</i>	
A Non-contact Active Sensor for Detecting or Monitoring Electricity Transmission State of High Voltage AC Power Grid .....	C653
<i>Haipeng Zhang, Jiejian Mao, Rijian Yao, Qiu Tu, Xing He, Fu Chen, Zifa Zhou, Jianrong Yang, Long Pang, Yi Xu, Chusi Hu, Tiancheng Chen and Yongjian Wu</i>	
Design of High Precision Cigarette Online Sampling Device .....	C654
<i>Haihua Lu, Shunkai Sun, Sixiao Chen, Weilin Cao, Zhoufan Huang, Meng Shu, Yingxiao Chi and Liang Chen</i>	
GPU-based Real-time Image Mosaicing for UAVs .....	C655
<i>Feng Tian, Yingbo Zhou, Jialin Cheng, Zhangwei Feng, Jiawei Yu, Guoxiang Ye and Shechuan Duan</i>	
The Application of Scientific Research Management System in the Process of Project Management and Academic Achievements Statistics in Higher Vocational Colleges .....	C656
<i>Di Wang</i>	

Research on Keyword Selection and Usage in Scientific Papers .....	C657
<i>Yuqing Li and Yu Cao</i>	
Construction and Practice of Territorial Space Ecological Restoration Supervision System: A Case Study of Jiangxi Province .....	C658
<i>Han Zhang, Xiong Huang, Huo Liu, Huiying Song and Xiaoyong Chen</i>	
A Universal Bus Management Method for Multi-Computer Multi-Bus System .....	C661
<i>Shuai Feng, Lei Wang, Yingkun Cheng, Xiaoguang Song and Jinjiang Zhang</i>	
A Novel Approach for Image Dehazing Via Spatial and Channel Feature Fusion .....	C1096
<i>Duofeng Wang, Yanbo Zhang, Zilun Wan, Fengyang Gu, Mingyue Chen, Yurong Zhou, Yong Zhang and Yi Zhu</i>	
A Digital Twin of Instructor in Higher Education .....	C1107
<i>Yongbin Zhang, Ronghua Liang, Li Wei, Xiuli Fu and Yanying Zheng</i>	
TranSal: Depth-guided Transformer for RGB-D Salient Object Detection .....	C1110
<i>Cuili Yao, Lin Feng, Yuqiu Kong, Lin Xiao and Tao Chen</i>	
HED-CNN Based Ionospheric Clutter Extraction for HF Range-Doppler Spectrum .....	C1115
<i>Xiangyuan Wang, Wozhan Li, Xiaochuan Wu, Ying Suo and Qiang Yang</i>	
Graph Neural Networks Based Recommendation Methods in Different Scenarios: A Survey .....	C1124
<i>Hongyun Jiang, Xing Xing, Shuai Li, Jiale Chen and Zhichun Jia</i>	
An Adaptive Scheduling Framework for Distributed Key-Value Stores Using RDMA .....	C1129
<i>He Wang, Dengyi Zhang, Zheng Yang and Wenhai Li</i>	
Real-Time Instruction Execution Monitoring with Hardware-Assisted Security Monitoring Unit in RISC-V Embedded Systems .....	C1137
<i>Zhun Zhang, Qiang Hao, Dongdong Xu, Jiqing Wang, Jinhui Ma, Jiakang Liu, Jinlei Zhang and Xiang Wang</i>	
Global Feature Extraction Graph Neural Networks for Session Recommendation .....	C1138
<i>Yungang Yang, Xing Xing, Shiqi Wang, Jiale Chen and Zhichun Jia</i>	
Satellite-ground Integrated Network Architecture and Key Enabling Technologies for 6G .....	C1145
<i>Jingxian Wang, Ziao Quan, Zheming Liu and Jing Zhang</i>	

An Identification Method for Indication Value of Digital Display Instruments Based on Machine Vision .....	C1147
<i>Wansheng Li, Yong Sun, Yucheng Zhao, Wei Jiang and Jianguo Wang</i>	
A Hardware-Assisted Security Monitoring Method for Jump Instruction and Jump Address in Embedded Systems .....	C1152
<i>Qiang Hao, Dongdong Xu, Zhun Zhang, Jiqing Wang, Tong Le, Jiawei Wang, Jinlei Zhang, Jiakang Liu, Jinhui Ma and Xiang Wang</i>	
Recognition of Human-object Interaction in Video Through a Two-stream Network Integrating Multiple Features .....	C1154
<i>Lunzheng Tan and Rui Ding</i>	
Design of Embedded Power Line Detection System Based on 5G and RV1126 .....	C1155
<i>Bo ñaho Bocochi Dalia and Sannan Yuan</i>	
A Metamorphic Testing Approach Based on Normal Function Tables .....	C1163
<i>Xuan Zhang, Yingqian Hao, Peng Lin and Peng Zhang</i>	
Anti-noise Fault Diagnosis Model Based on Convolutional Neural Network .....	C1167
<i>Heng Chen, Shikun Zhou, Lei Shi, Yingying Yue and Ninggang An</i>	
A Load Aggregation Commercial Electricity Prediction Method Supporting User Privacy Protection .....	C1178
<i>Hao Wu, Yiyun Wang, Weijian Wu, Ying Chen and Aoying Chen</i>	
An Covariance Spectrum Sensing Algorithm Based on DMM / MME Mixture Features .....	C1180
<i>Ruiyang Sun, Jingbo Zhang and Jiaxing Kang</i>	
Gene Set Linkage Analysis: A Tool for Interpreting the Overall Functional Impacts of Observed Transcriptomic Changes .....	C1191
<i>Li Ruan and Pengcheng Chen</i>	
A Distributed Relay Selection and Bandwidth Allocation Method Based on Interference Level for HPLC and Micro-power Wireless Integration .....	C1212
<i>Bin Fang, Haozhi Li, Shi Zhu and Pohuang Jiang</i>	
Competition of Artificial Intelligence in Big Countries: The Mystery of Power and Security .....	C1217
<i>Rongsheng Zhu, Ziwen Feng and Qi Chen</i>	
End-to-End Object Detection with Location-Sensitive Cues .....	T1089
<i>Chunzhe Wang, Xueyuan Zhang, Li Quan, Yirong Ma, Jin Shi and Xing Wang</i>	

A Novel Wearable Multi-Channel Pulse Monitor Combined with Machine Learning for Screening Hypertension Population .....	T1097
<i>Xiaoxiao Kang, Kang Yu, Guotai Wang, Lin Huang, Yitao Zhang and Jun Zhang</i>	
A Text Detection and Recognition Method Based on PSENet and CRNN .....	T1100
<i>Xin He, Yi He, Xueying Wang, Shaowei Zhang and Xun Sun</i>	
Nonlinear Delay-control of Hopf Bifurcation and Stability Switches in a Generalized Logistic Model .....	T1105
<i>Shunyi Li</i>	
Design and Implementation of an AR Inspection System for an Unmanned Gas Transmission Station .....	T1113
<i>Weibin Wang, Hongqiang Dang, Lixiao Xie, Zengzhan Zhang, Kai Li, Xiaoli Huo, Hanying Li, Cuicui Zhang, Kaiyuan Guan, Yuanwei Lin and Yang Zhang</i>	
Research on Ultra-short-term Wind Power Prediction Based on PSO-GRU Prediction .....	T1101
<i>Lu Gao, Fanmiao Kong, Lianjia Zhao and Xiaolin Zhang</i>	
User Login Temperature & Humidity Detection System Based on LabVIEW .....	T1102
<i>Yinghao He, Jiangkai Ma and Shimin Shan</i>	
A Differential Equation Solving Method Based on Fourier Series Neural Network .....	T1103
<i>Qiang Zou, En-liang Hu</i>	
Study on Optimizing the Flow Field of Cold Air System in Cold Storage .....	T1104
<i>Tinghe Bai</i>	
Wavelet-based Compressive Total Variation for Image Processing .....	T1105
<i>Di Wang, Wanshe Li</i>	
Quantum GEP for Dynamic Multiobjective Optimization .....	T1106
<i>Chaoyang Ye, Shicong Zhang, Yisha Liu, Jianhong Lin,</i>	
The Research of Quadrotor Flight Control Based on Reinforcement Learning and ADP .....	T1108
<i>Xueyuan Li, Wentao Xie and Wentao Zhan</i>	
New Untrained Emitter Detection Based On SK-GAND Network .....	T1109
<i>Yanhua Jin, Ling Zhu and Songtao Yan</i>	
A Fault Prediction Method for Water Pump Based on BP Neural Network and Improved Dempster-Shafer Theory of Evidence .....	T1110
<i>Jian Pan, Yujiang Li and Huandong Zhao</i>	

Sentiment Analysis of Customer Reviews Based Texts Using Classification Algorithms .....	T157
<i>T. Velmurugan, M. Archana and U. Latha</i>	

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