

SmartIoT 2024

Technical Program at a Glance

Day 0 – November 13 th , 2024 (Wednesday)			
01:00-10:00pm CST November 13 00:00-09:00am EDT November 13	Registration (1st Floor of SMBU Library)		
Day 1 – November 14 th , 2024 (Thursday)			
Meeting Room 1 (9th Floor of SMBU Library)			
09:00-09:15am CST November 14 08:00-08:15pm EDT November 14	Opening Remark Opening Presentation		
09:15-10:15am CST November 14 08:15-09:15pm EDT November 14	Keynote Speech 1 On Ubiquitous Spatiotemporal Intelligence Deren Li		
10:15-11:00am CST November 14 09:15-10:00pm EDT November 14	Tea Break and Group Photo Session		
11:00-12:00am CST November 14 10:00-11:00pm EDT November 14	Keynote Speech 2 Towards Edge-Native Foundation Models: A Paradigm Shift in AI Construction, Deployment and Governance at the Edge Song Guo		
Lunch and Noon Break			
	Meeting Room 1 (9th Floor)	Meeting Room 2 (8th Floor)	Meeting Room 3 (1st Floor)
02:00-05:00pm CST November 14 01:00-04:00am EDT November 14	R1: IoT-Driven UAV and Vehicle Networks	R2: IoT Solutions for Smart Home Automation and Safety	R3: Distributed Computing and Resource Optimization in IoT Systems
06:00-09:00pm CST November 14 05:00-08:00am EDT November 14	Conference Banquet Dinner (Lakeside Restaurant at SMBU Campus)		
Day 2 – November 15 th , 2024 (Friday)			
Meeting Room 1 (9th Floor of SMBU Library)			
09:00-10:00am CST November 15 08:00-09:00pm EDT November 15	Keynote Speech 3 6G Technologies for Supporting Smart IoT: Future Perspective Nei Kato		
10:00-11:00am CST November 15 09:00-10:00pm EDT November 15	Keynote Speech 4 Challenges and Opportunities in Algorithmic Solutions for Re-Balancing in Bike Sharing Systems Jie Wu		
	Meeting Room 1 (9th Floor)	Meeting Room 2 (8th Floor)	Meeting Room 3 (1st Floor)
11:20-12:20pm CST November 15 10:20-11:20am EDT November 15	R4: Efficient and Privacy-Preserving Model Optimization in IoT	R5: IoT-Driven Urban Modeling and Signal Identification	R6: Advances in Robust and Efficient Federated Learning
Lunch and Noon Break			
02:00-05:00pm CST November 15 01:00-04:00am EDT November 15	R7: Optimizing Sensing and Recognition in IoT Applications	R8: Advanced Imaging and Sensing Techniques in IoT and Healthcare	R9: Efficient Model Training and Adaptation for IoT Applications
Day 3 – November 16 th , 2024 (Saturday)			
Meeting Room 1 (9th Floor of SMBU Library)			
09:00-09:40pm CST November 16 08:00-08:40am EDT November 16	Invited Talk Towards Robust AI on the Edge Edith C.H. Ngai		
	Meeting Room 1 (9th Floor)	Meeting Room 2 (8th Floor)	Meeting Room 3 (1st Floor)
10:00-12:20pm CST November 16 09:00-11:20am EDT November 16	R10: IoT and AI for Assistive Healthcare and Accessibility	R11: Smart IoT Solutions for Enhanced Living and Environment	R12: IoT-Driven Spatial Sensing and Smart City Modeling
Lunch and Noon Break			
02:00-04:40pm CST November 16 01:00-03:40am EDT November 16	R13: Advanced Vision and Identification Techniques for Intelligent IoT Systems	R14: Smart Industrial and Environmental IoT Applications	R15: Survey and Review about IoT-Related Topics

*Note CST: China Standard Time (China Beijing Time)

EDT: Eastern Daylight Time (US New York Time)

Day 1 – November 14th, 2024 (Thursday) – Meeting Room 1 (9th Floor of SMBU Library)

Time

Talks

R1: IoT-Driven UAV and Vehicle Networks

8: A Deep Learning-based Routing with Predicted traffics in Space-Ground Integrated Heterogeneous Networks
Zen Dou, Ya Zhao, Li Cong, Chengbin Huang, Wei Han, Fan Jin, Haitao Lu, Shaohua Wan and Chen Chen

10: Satellite and UAV Swarm Integrated Space-Air Communication based on 5G Non-Terrestrial Networks
Siyang Shi, Li Zhou, Kun Lan, Xinfeng Tang and Siyan Zhang

17: UAV-Based Deep Learning with Tiny-YOLOv9 for Revolutionizing Paddy Rice Disease Detection
Jayakrishnan Anandakrishnan, Arun Kumar Sangaiah, Son Nguyen Khanh, Shivani Kumari, Muhammad Luqman Arif Bin Mohamad and Mohd Amiruddin Abd Rahman

20: OceanNet: Lightweight Large-Kernel Model for Maritime UAV Object Detection
Yuhang Wang, Zhenxing Niu, Huimin Li, Wan Li and Chen Chen

02:00-03:20pm CST November 14
01:00-02:20am EDT November 14

03:20-03:40pm CST November 14
02:20-02:40am EDT November 14

Tea Break

35: Dynamic Spectrum Access for Directional UAV Ad Hoc Networks in Interference Environments: A Multi-Agent Reinforcement Learning Approach
Shijie Liang, Li Zhou, Haijun Wang, Kuo Cao, Qi Tang and Xiang Tan

37: Content Distribution in Internet of Vehicles (IoV) Based on Trajectory Prediction
Qi Zhang, Weihua Wu, Zhuoran Chai, Xiao Ma, Wei Guo and Min Ju

89: Multi-UAV-Assisted Electromagnetic Jamming: Path Optimization Based on Deep Reinforcement Learning
Hongzheng Chai, Liangtian Wan, Lu Sun, Jianbo Zheng and Xianpeng Wang

94: MADDPG-Based Power Control Strategy for Unmanned Vehicles
Zhenyuan Han, Lu Sun, Liangtian Wan, Ruoheng Luo and Xianpeng Wang

03:40-05:00pm CST November 14
02:40-04:00am EDT November 14

Day 1 – November 14th, 2024 (Thursday) – Meeting Room 2 (8th Floor of SMBU Library)

Time

Talks

R2: IoT Solutions for Smart Home Automation and Safety

3: Enhancing Patient Privacy in IoT-Enabled Intelligent Systems: A Deep and Broad Learning-Based Efficient Encryption Network
Xiaoqiang Zhu, Jiqiang Liu, Dalin Zhang, Lingkun Li and Nan Wang

4: Personalized Smart Home Automation System with Facial Recognition and Behavior Prediction
Srimadhav Seebu Kumar

5: Real Time Monitoring of Room Temperature and Humidity in Connected Healthcare
Noshin A Sabuwala

6: Kitchen Security and Monitoring Systems
Dipen Dutta

02:00-03:20pm CST November 14
01:00-02:20am EDT November 14

03:20-03:40pm CST November 14
02:20-02:40am EDT November 14

Tea Break

41: Chinese International Student Rental Reviews Sentiment Analysis Based On Python Crawler And Transformer Model
Pengpeng Wang and Zihui Li

44: AI-Enabled Sign Language Recognition and Communication System For Speech/Hearing-Impaired Users
Feng Wen

66: Home Automation via MQTT: Implementation of ESP32 Nodes and Node-RED on Raspberry Pi
Pratik Chouragadey and Gaurav Khare

80: Virtual Reality based Smart Mobile Robot Navigation
Muthu Mariappan H, V Gomathi, J Karthikeyan, S Hari Ram, R Sri Gomathi and S Karann

03:40-05:00pm CST November 14
02:40-04:00am EDT November 14

Day 1 – November 14th, 2024 (Thursday) – Meeting Room 3 (1st Floor of SMBU Library)

Time

Talks

R3: Distributed Computing and Resource Optimization in IoT Systems

02:00-03:20pm CST November 14
01:00-02:20am EDT November 14

15: SCS: A Secure Cloud Storage Framework with Enhanced Integrity and Auditability Using Consortium Blockchain System
Aswani Devi Aguru, Suresh Babu Erukala, Srinivasa Rao Mekala, Rajesh Kaluri and Thippa Reddy Gadekallu

21: A research of distributed training algorithms for simple classification of MNIST datasets
Tingjing Nie and Xi Wang

31: Analysis of the Impact of the Batch Size and Worker Number in Data-Parallel Training of CNNs
Jiajie Shi, Yueyue Huang and Xinyuan Zhou

36: Multidimensional Resource Allocation in Directional Ad Hoc Networks Based on Deep Reinforcement Learning
Yuchen Zhang, Li Zhou, Pengfei Ma, Suli Guo, Leitao Gao and Jinwei Ji

03:20-03:40pm CST November 14
02:20-02:40am EDT November 14

Tea Break

03:40-05:00pm CST November 14
02:40-04:00am EDT November 14

49: A Seesaw Model Attack Algorithm for Distributed Learning
Kun Yang, Tianyi Luo, Yanjie Dong and Aohan Li

73: High-Performance Distributed Control System Driven by Large Language Model(LLM) for Robotics
Mingze Zhao, Haomiao Chen and Hongbao Du

78: Now You See Me: Embedded Mobile Edge Computing Awareness for Optimizing Multi-task Applications in Constrained IoT Devices
Jaime Burbano, Francisco D Salgado, Aly Sakr and Rolf Schuster

92: A Novel Blockchain-based Anonymous Mutual Authentication Method for IoT Security
Dan Hu, Xuanrui Xiong, Hanchi Zhang, Junlin Zhang, Jianbo Zheng and Lei Xiao

Day 2 – November 15th, 2024 (Friday) – Meeting Room 1 (9th Floor of SMBU Library)

Time

Talks

R4: Efficient and Privacy-Preserving Model Optimization in IoT

11:20-12:20am CST November 15
10:20-11:20pm EDT November 15

- 13: Federated Neural Architecture Search for Efficient and Privacy-Preserving Model Training
Tamai Ramírez-Gordillo, Higinio Mora, Francisco Pujol-López and Antonio Lillo
- 14: Optimizing Sentiment Inference with Multi-Expert Models via Real-Time GPU Resource Monitoring
Junqin Huang, Chuishuo Meng and Sen Wang
- 23: Efficient Scarab Identification via Multi-source Data Fusion in Mask-RCNN with Attention Mechanism
Zijia Yang, Lina Wang, Long Wen, Junchao Yuan, Jiangtao Deng, Hailin Feng and Kai Fang

12:20am-02:00pm CST November 15
11:20pm-01:00am EDT November 15

Lunch and Noon Break

R7: Optimizing Sensing and Recognition in IoT Applications

02:00-03:20pm CST November 15
01:00-02:20am EDT November 15

- 9: A Structure Consistency Generative Adversarial Network for SAR-optical image registration
Zhen Han, Ning Lv, Tao Su, Li Cong, Zeng Dou, Fei Yang, Wan Li, Liang Zhao and Chen Chen
- 27: Motor Imagery Recognition Based on Improved EEGConformer Algorithm
Menglong Li and Songlin Li
- 28: TABNET-based NCAA Basketball Tournament Outcome Prediction
Haoqian Liu, Jiale Cheng, Rongye Zhang and Xiangyi Li
- 34: Applications and challenges of radar-based human activity recognition
Fei Luo

03:20-03:40pm CST November 15
02:20-02:40am EDT November 15

Tea Break

03:40-05:00pm CST November 15
02:40-04:00am EDT November 15

- 38: Channel-Dependent Forward Error Correction for IEEE 802.15.4 O-QPSK
Fabian Graf, Thomas Watteyne, Filip Maksimovic and Michael Villnow
- 81: Ontology Support for Healthcare IoT
Alaa Alsaig and Vangalur Alagar
- 60: Human action capture method based on binocular camera
Yupeng Chen, Qilu Wu and Wenxin Hu
- 153: From Radar to Depth: Multi-Modality Co-Learning for High-Resolution Human Pose Estimation
Junqiao Fan and Xuehe Wang

Time

Talks

R5: IoT-Driven Urban Modeling and Signal Identification

11:20-12:20am CST November 15
10:20-11:20pm EDT November 15

82: Real-Scene 3D Urban Elements Modeling for Digital Twin City Construction
Yuejin Li, Jian Yang, Yuan Li, Xitong Li, Zicheng Qin and Yu Guan

90: Individual Identification of Communication Emitters in Open Electromagnetic Environments: A Multi-Feature Attention Method with OpenMax
Yixuan Ya, Liangtian Wan, Lu Sun, Jianbo Zheng and Xianpeng Wang

91: Few-Shot Specific Emitter Identification via Complex-valued Channel Attention Residual Prototypical Network
Qichao Yu, Liangtian Wan, Yuan Tian, Lu Sun, Yunan Gao and Xianpeng Wang

12:20am-02:00pm CST November 15
11:20pm-01:00am EDT November 15

Lunch and Noon Break

R8: Advanced Imaging and Sensing Techniques in IoT and Healthcare

02:00-03:20pm CST November 15
01:00-02:20am EDT November 15

18: A SAR Image Remote Sensing Detection Method Based on Joint Spatial Fully Connected CRF
Jianlong Zhang, Jiangtao Luo, Huihuang Xiong, Leichang Zhang, Chen Chen, Wan Li, Fei Yang, Huimin Li and Quan Gan

24: Highly Accurate Deep Learning-Based Lung Nodule Recognition Algorithm in the IoMT
Zixin Deng, Lina Wang, Zijia Yang, Long Wen and Jijing Cai

25: Robust Identification Algorithm for Pine Wilt Disease Based on Frequency Domain Feature
Junchao Yuan, Lina Wang, Jijing Cai, Zijia Yang, Jiangtao Deng, Zhihao Wen, Hailin Feng and Kai Fang

26: Anti-interference Pine Wilt Disease Detection Algorithm Based on Multilevel Residual Fusion in YOLOv8
Junchao Yuan, Lina Wang, Jijing Cai, Jiangtao Deng, Zijia Yang, Zhihao Wen, Hailin Feng and Kai Fang

03:20-03:40pm CST November 15
02:20-02:40am EDT November 15

Tea Break

03:40-05:00pm CST November 15
02:40-04:00am EDT November 15

63: Wearable Ear Sensor for Physiological States Monitoring
Yimeng Zhang, Qinghao Xu, Wenbo Ding and Xi Tian

67: FuzzyConvNet for Binary Change Detection of SAR Images
Muthu Mariappan H, S Kalaiselvi, V Gomathi and V Anitha

86: Attention-Enhanced U-net Networks for the Automated Recognition of Molar Occlusal Surface Contours and Groove Morphology: A Comparative Study and Model Fusion Approach
Jingpeng Hu, Xiaoyan Zhang and Zhiguo Xiong

88: Terahertz Spectral Imaging and Gradient-Domain Fusion for Improved Detection of Dental Caries
Jingpeng Hu, Xiaoyan Zhang and Zhiguo Xiong

Day 2 – November 15th, 2024 (Friday) – Meeting Room 3 (1st Floor of SMBU Library)

Time

Talks

R6: Advances in Robust and Efficient Federated Learning

11:20-12:20am CST November 15
10:20-11:20pm EDT November 15

45: ConvFL: Efficient Federated Learning of Heterogeneous Model Structures with Converters
Yuto Matsunaga, Satoru Momiyama, Batnyam Enkhtaivan, Taiki Miyagawa and Isamu Teranishi

50: Defending Byzantine Failures for Federated Learning
Ang Li, Ke Xing and Yanjie Dong

77: TSM-KFE: A Two-stage-shared Federated Learning Model based on Key Feature Extraction
Yuanyuan Zhang, Jingwen Liu, Hanyang Zhang, Jingpeng Li, Liangyin Chen and Yanru Chen

11:40am-02:00pm CST November 15
10:40pm-01:00am EDT November 15

Lunch and Noon Break

R9: Efficient Model Training and Adaptation for IoT Applications

02:00-03:20pm CST November 15
01:00-02:20am EDT November 15

12: The Influence of Mamba Model Hyperparameters on Training Time and Accuracy
Yi Deng

33: Refining Vision Transformer Models for Small-Scale Data with Locality Information from CNNs
Maokuan Xu, Dachuan Wu, Yuhao Qiu and Jiabin Chen

42: Gaussian samples are not what you need
Jiefu Luo and Jun Cheng

47: Neural Radiance Field with Composite Loss Function Supervision Mechanism
Zhuohao Gong, Xurong Wang, Wenxin Hu, Qianqian Wang and Zixuan Shangguan

03:20-03:40pm CST November 15
02:20-02:40am EDT November 15

Tea Break

03:40-05:00pm CST November 15
02:40-04:00am EDT November 15

65: Dixy: Transparent Payload Compression for Constrained Networks
Ichrak Kallala, Thomas Watteyne, Quentin Lampin, Marion Dumay, Trifun Savic, Stephane Coutant, Cedric Adjih and Paul Muhlethaler

71: Freeze-CD: Alleviating Hallucination of Large Language Models via Contrastive Decoding with Local Freezing Training
Dingwei Chen, Shuai Wang, Zhengping Fan, Xiping Hu and Chengming Li

83: ADARec: A Adaptive Data Augmentation Framework for Sequence Recommendation
Guanghu Yuan, Shujie Li, Lei Fang and Chengming Li

152: Localized Adaptive Channel and Power Selection with TinyML (LACPSA) in Dense IEEE 802.11 WLANs
Khalid Ibrahim Qureshi, Cheng Lu, Ruoheng Lu, Muhammad Ali Lodhi and Lei Wang

Day 3 – November 16th, 2024 (Saturday) – Meeting Room 1 (9th Floor of SMBU Library)

Time	Talks
R10: IoT and AI for Assistive Healthcare and Accessibility	
10:00-11:00am CST November 16 09:00-10:00pm EDT November 16	19: Wearable IoT Control Interface with Multimodal Triboelectric Sensing and Pneumatic Haptic Feedback Jie Li, Liuyi Shi, Zhanpeng Du, Yuan Yin and Minglu Zhu
	54: Kitchen Fire Prediction and Alarm System Based on Multi-Source Information Fusion and Neural Networks Shuai Wang, Yuzhu Hu, Jiaxin Chen, Xiaoqian Xi and Wei Wang
	61: Design and Trajectory Planning for a Novel Minimally Invasive Surgical Robot Positioning Arm Jiaxiang Dong, Quanquan Liu and Lihong Duan
11:00-11:20am CST November 16 10:00-10:20pm EDT November 16	Tea Break
11:20-12:20am CST November 16 10:20-11:20pm EDT November 16	62: Comparative Study on Factors Influencing the Determination of Optimal Sitting Posture in Ankle Rehabilitation Assessment Jiaxiang Dong, Quanquan Liu and Lihong Duan
	76: Intelligent Automated Vehicles for Passengers with Visual Disability Sambit Kanjilal and Sandip Ray
	43: High-configurable wearable device platform for motor disability evaluation Yize Cai, Junxin Chen, Zhiheng Ye, Tongyue He and Wei Wang
12:20am-02:00pm CST November 16 11:20pm-01:00am EDT November 16	Lunch and Noon Break
R13: Advanced Vision and Identification Techniques for Intelligent IoT Systems	
02:00-03:00pm CST November 16 01:00-02:00am EDT November 16	7: A Novel Deep Ensemble Framework for IoT Malware Variant Detection Hamza Javed, Feng Zeng and Muhammad Shaheer
	46: CF-ACV: Fast-ACV based on Context and Geometry Fusion for stereo matching Xurong Wang, Zhuohao Gong, Wenxin Hu, Qianqian Wang, Zixuan Shangguan and Ziyuan Wen
	52: Multilayer Decision-Making Framework for Adversarial Game Scenarios Zikang Xie, Boyang Chen, Hongyu Wu, Yunhe Pan, Jueming Zhao and Wei Wang
03:00-03:20pm CST November 16 02:00-02:20am EDT November 16	Tea Break
03:20-04:40pm CST November 16 02:20-03:40am EDT November 16	53: Enhancing Recommendation Representations through Alignment and Uniformity with Integrated Contrastive Learning and Collaborative Filtering Linxian Li, Yuzhu Hu, Yulong Zhao, Xiaoqian Xi, Jiaxin Chen and Wei Wang
	72: Prompting Cross-Architecture Learning for Video Classification by Learnable Local Alignment Ying Peng, Jian Chen and Runhao Zeng
	93: TFTI: A Transformer Framework Text Information-aided for Person Re-Identification in Internet of Things Haihong Huang, Xuanrui Xiong, Junlin Zhang, Hanchi Zhang, Yunan Gao, Lei Xiao and Xingyou Guo
	103: Contrastive Patch Comparison Transformer for Weakly Supervised Semantic Segmentation Wentian Cai, Weixian Yang, Jing Lin and Ying Gao

Day 3 – November 16th, 2024 (Saturday) – Meeting Room 2 (8th Floor of SMBU Library)

Time	Talks
R11: Smart IoT Solutions for Enhanced Living and Environment	
10:00-11:00am CST November 16 09:00-10:00pm EDT November 16	11: AgriInnoConnect Pro System Using Iot and Firebase Console Atharva Chavan
	59: An Autonomous Irrigation Robot Based on ROS2, YOLOv8 and Distributed ESP32 WMN Architecture Yisu Fang, Hadyan Hafizh and Muhammad Ateeq
	79: Research on the Emotional Expression Framework of Motor Behavior for Wheeled Robots Kexin Han, Tianyuan Chen, Yidan Ni, Shiyaxuan Ye, Jiwei Liu and Jianbo Zheng
11:00-11:20am CST November 16 10:00-10:20pm EDT November 16	Tea Break
11:20-12:20am CST November 16 10:20-11:20pm EDT November 16	84: An Innovative AI and IoT-Based Braille System for Smart Living Hong Qiu, Weijian Fan, Zhuohua Liu, Li Li, Wenjie Zhang, Jiabin Chen and Runhao Zeng
	85: Multi-Terminal Cooperative AIoT Smart Agriculture System Based on Growth Prediction Model Hong Qiu, Zijiang Zhou, Yeping Peng, Jiaming Liang, Jinghai Shang, Xiaoqian Xi and Runhao Zeng
	87: Research on site selection of retail store using CNN model Lupei Cai, Siming Jiang, Yingjia Cai and Ying Gao
12:20am-02:00pm CST November 16 11:20pm-01:00am EDT November 16	Lunch and Noon Break
R14: Smart Industrial and Environmental IoT Applications	
02:00-03:00pm CST November 16 01:00-02:00am EDT November 16	22: Robust Fault Diagnosis for Drilling Machinery in Challenging Environments Jijing Cai, Lina Wang, Zhihao Wen, Zijia Yang, Long Wen, Junchao Yuan, Jiangtao Deng and Kai Fang
	48: Collaborative Content Caching in IIoT: A Multi-Agent Reinforcement Learning-Based Approach Bingtao Kang, Kai Peng and Yining Chen
	55: Joint Estimation of Clock Skew and Offset of Listening Nodes in Wireless Sensor Networks Based on Correlation Detection Ziliang Zuo, Wei Liu, Jing Lei and Peng Yang
03:00-03:20pm CST November 16 02:00-02:20am EDT November 16	Tea Break
03:20-04:40pm CST November 16 02:20-03:40am EDT November 16	57: Tip-position Control of a Two-segment Flexible Robot based on GABP Neural Network Zhi Zhang, Quanquan Liu and Jiayang Dong
	64: Wireless networking for multiple implants based on metamaterial textiles Fengman He, Lichen Bai, Sicheng Gu, Qihang Zeng and Xi Tian
	68: Pyramid Transformer for Multivariate Time Series Anomaly Detection in IIoT Yongcan Luo, Ning Chen, Zhanxiang Huang, Shuxin Qin, Jiahao Zheng and Dapeng Wu

Day 3 – November 16th, 2024 (Saturday) – Meeting Room 3 (1st Floor of SMBU Library)

Time	Talks
R12: IoT-Driven Spatial Sensing and Smart City Modeling	
10:00-11:00am CST November 16 09:00-10:00pm EDT November 16	74: Spatial Incremental Sampling for Active-Learning-Based Airborne Laser Scanning Point Cloud Segmentation Hengming Dai and Zhifang Zhao
	95: Research on an Automatic Short Text Classification Model for Public Service Feedback in Smart Cities Leng Yonglin, Zheng Jianbo and Lu Fuyu
	97: Intrusion Detection Model Based on Recursive Gated Convolution and Bidirectional Gated Recurrent Units Yushu Zhang, Xuanrui Xiong, Lei Xiao, Junfeng Li, Ruoheng Luo, Junlin Zhang and Hanchi Zhang
11:00-11:20am CST November 16 10:00-10:20pm EDT November 16	Tea Break
11:20-12:20am CST November 16 10:20-11:20pm EDT November 16	99: PiSSA-MoDCN: A Mixture-of-DCN For Segment Anything to Remote Sensing Ship for Semantic Segmentation Zhiyong Xia, Wentian Cai, Ying Gao, Yandan Chen, Yang Ao, Zhengzhi Hou and Qin Qiu
	136: Spatial and Temporal Distribution Characteristics of Heavy Rainfall in Zhejiang Province Luqi Zhang, Fang Geng, Yayi Liao, Tingting Yuan, Yuan Wei, Yingjun Sun and Kai Fang
	140: Investigation and Analysis of Torrential Rain and Flooding Caused by Typhoon Lekima in Wenzhou City, Zhejiang Province Xiaming Liu, Yingjun Sun, Hongfei Chen, Jia Hong, Caiming Chen, Hao Dong and Kai Fang
12:20am-02:00pm CST November 16 11:20pm-01:00am EDT November 16	Lunch and Noon Break
R15: Survey and Review about IoT-Related Topics	
02:00-03:00pm CST November 16 01:00-02:00am EDT November 16	2: A comprehensive Analysis of Ultralightweight Secure Communication Protocol Prashansa Singh, Manjot Kaur and Rohit Bajaj
	30: Enhancing Sentiment Analysis: A Comparative Study of Word Embedding Integration in Mobile Phone Reviews Hanrui Wang, Zichen Yang and Zhiliang Wang
	39: Data Valuation and Pricing in Internet of Things: Survey and Vision Xinyi Shi and Haihan Duan
03:00-03:20pm CST November 16 02:00-02:20am EDT November 16	Tea Break
03:20-04:40pm CST November 16 02:20-03:40am EDT November 16	40: Blockchain-Based Incentive Mechanism in Internet of Things: Survey and Vision Yumeng Peng and Haihan Duan
	96: A Comprehensive Review of IoT-Based Smart Home Automation Systems Sanjog Dotel, Bishal Gurung, Janaki Ram Malladi, Muhammad Hizbu, Kamal Kamal and Er Swati
	104: Learning from Mistakes: A Comprehensive Review of Knowledge Editing for Large Language Models Yanhong Li, Chunling Fan, Mingqing Huang and Chenming Li