









13th International Symposium on Computer Science and Educational Technology (ISCSET) 2024 Program

Date: $17^{th} - 19^{th}$ July | Location: IBS Foundation, Lauta/Laubusch, Germany

Local Time is GMT+02:00

Tuesday	16.07.2024
From 14:00	Arrival day and Check-in
	Introduction to IBS
	Preparation for ISCSET 2024

Wednesday	17.07.2024 Day 1	
Chair: Prof. Uranchimeg Tudevdagva		
From 07:00	Registration and Check in	
10:00 – 10:10	Opening of IEEE ISCSET 2024 Prof. Dr. h. c. Wolfram Hardt Chemnitz University of Technology, Germany	
Plenary Session		
10:10 - 11:00	Keynote Speech Experiences with Gamified Intelligent Tutor Systems for Programming and Software Engineering Education Prof. Dr. Steffen Becker University of Stuttgart, Germany	
Session 1: Computer Science I Chair: Dr. Ariane Heller		
11:00 - 11:20	Decentralized UAV Hangar: A Study for Water Rescue Missions Reda Harradi, Ariane Heller, and Wolfram Hardt Chemnitz University of Technology, Germany	
11:20 - 11:40	Design and Implementation of VRUs Detection and Speed Estimation Using an Uncalibrated Top-View Perspective Camera Khulan Khalzaa, Stephen Karungaru, Kenji Terada, and Altangerel Ayush Tokushima University, Japan	























Wednesday	17.07.2024 Day 1
11:40 - 12:00	Inner and Outer Frame-based Continues Object-Tracking for MAV-based Inspection Batbayar Battseren, Md Abdul Awal, and Wolfram Hardt Chemnitz University of Technology, Germany
12:00 - 12:20	Research on the β-VAE-DDRRN-BFA Tool Wear Detection Algorithm Kaige Xu, Xiaoming Sun, Yan Chen, Yongliang Wang, and Bochao Su Harbin University of Science and Technology, China Shenzhen Polytechnic University, China Online Presentation
12:30 - 13:30	Lunch
	Session 2: Computer Science II Chair: Dr. Tobias Schlosser
13:30 - 13:50	The Effectiveness of Gamified Applications for Communicating Complex Bureaucratic Topics Fabius Benjamin Quien, Lilly Siegel, Erwin Dieter Hausmann, Victoria Kitte, Lara Anna Stahlberg, Theodor Tran, Leander Benedikt Stedtler, Maria Bianca Florea, Manuel Heinzig, Matthias Vodel, and Marc Ritter University of Applied Sciences Mittweida, Germany
13:50 - 14:10	Run Time and Accuracy of Machine Learning Algorithms for Speaker Identification Stephan Lede, René Schmidt, and Wolfram Hardt Chemnitz University of Technology, Germany
14:10 - 14:30	The Algorithm for Classifying Text Data in Social Networks Bahrixon Otaxonova, Yusuf Yuldoshev, Nasibakhon Rasulova, and Dilnoza Zaripova Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Uzbekistan
14:30 - 14:50	Development of Enhanced SOTIF Analysis Framework Using MBSE and Virtual Validation with Focus on RSS Framework Vignesh Mohan, Reda Harradi, and Wolfram Hardt Chemnitz University of Technology, Germany
14:50 - 15:10	Implementation of Machine Learning and Fuzzy-Logic Rules for Intelligent Tutoring System Design on Photography Ghita Athalina and Tomonori Hashiyama University of Electro-Communications, Japan
15:10 - 15:30	A New Approach for Early Detection of Vulnerabilities Across the Automotive Software Development Dimitrios Datsogiannis, Ariane Heller, and Wolfram Hardt Chemnitz University of Technology, Germany
15:30 - 16:30	Coffee Break























Wednesday	17.07.2024 Day 1	
Session 3: Computer Science III Chair: Khulan Khalzaa		
16:30 - 16:50	Dangerous Goods Detection in X-ray Security Inspection Images Based on Improved YOLOv8 Pengfei Yuan, Xue Wang, Xinmiao Zhou, Xiaoyu Yu, Aili Wang, and Haibin Wu Harbin University of Science and Technology, China Zhongshan Institute, China Online Presentation	
16:50 – 17:10	Cross Scene Hyperspectral Image Classification Combined with Fusional Spatial-Spectral Attention Defei Li, Hui Yang, Xue Wang, Haibin Wu, Xinmiao Zhou, Xiaoyu Yu, and Aili Wang Harbin University of Science and Technology, China Zhongshan Institute, China Online Presentation	
17:10 - 17:30	Intelligent Shrimp Monitoring System Based on YOLOv8 and Jetson Nano Siqi Yan, Xinyu Liu, Haoran Lv, Xuxi Zhao, Miaomiao Liu, and Aili Wang Harbin University of Science and Technology, China China Academy of Information and Communications Technology, China Online Presentation	
Parallel Session		
16:30 - 17:30	Steering committee meeting on issues of 2025 At least one representative from each partner university should attend this meeting on time.	
18:00 - 19:00	Dinner	
From 19:30	Ice breaking evening – Let us introduce our own countries One can wear their national dress, bring their national snacks, can sing or dance, can show slides about their own country. Feel free to introduce your country to others and use the time to extend your academic network.	

























Thursday	18.07.2024 Day 2
From 07:00	Registration and Check In
From 08:00	Breakfast
	Session 4: Computer Engineering I Chair: Dr. Batbayar Battseren
09:00 - 09:30	Invited Talk Surface Projection Enhancement and VR Technology Combined with MIS Image Reconstruction Prof. Haibin Wu Harbin University of Science and Technology, China
09:30 - 09:50	Predictive Learning Analytics Utilizing Formative Assessments and Recommender System for Study Success Ummay Ubaida Shegupta, Md Shoriful Islam, and Wolfram Hardt Chemnitz University of Technology, Germany
09:50 - 10:10	The Evaluation Result Based on the SURE model: Case of Samarkand Branch of TUIT Ilkhom Boynazarov, <i>Uranchimeg Tudevdagva</i> , Gulnoza Safarova, and Robiya Raxmonova Samarkand Branch of Tashkent University of Information Technologies, Uzbekistan Chemnitz University of Technology, Germany
10:10 - 10:30	Neural Understanding of STEM Activities Ryan Cho, Mobasshira Zaman, Kyu Taek Cho, and Jaejin Hwang Illinois Mathematics and Science Academy, USA Northern Illinois University, USA Online Presentation
10:30 - 11:00	Coffee Break
	Session 5: Computer Engineering II Chair: Paul Hubert Vossen
11:00 - 11:20	Measurement Models for Group-Peer Assessment of Project-Based Learning in Software Engineering Paul Hubert Vossen and Suraj Ajit SQUIRE Research Institute Niederstetten, Germany University of Northampton, United Kingdom
11:20 - 11:40	Towards Vision Based Bi-Cycles Detection and an Autonomous Decision Making System for Driving Situation Awareness Julkar Nine, Ayushkumar Mehta, Sai Rohit Rajkumar, and Wolfram Hardt Chemnitz University of Technology, Germany
11:40 - 12:00	The Level of Digital Literacy Among Students in Uzbekistan: Assessing Skills and Perspectives Nasibakhon Rasulova, Dilnoza Zaripova, Bahrixon Otaxonova, Feruza Zakirova, Gulnora Tashmukhamedova, and Yuliya Anufriyeva Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Uzbekistan
12:00 - 12:20	Intelligent Food Identification System Using Improved YOLOv8 Francia Nitiavintokana, Md Abdur Rouf, Xiaoyu Yu, Haibin Wu, Aili Wang, and Yuji Iwahori Harbin University of Science and Technology, China Chubu University, Japan























Thursday	18.07.2024 Day 2	
12:20 - 14:00	Lunch	
Ses	Session 6: Computer Engineering III Chair: Prof. Zakirova Feruza Makhmudovna	
14:00 - 14:20	Comparative Study for Monocular Depth Detection Models on Embedded Systems Abeer Aly Moussa, Shadi Saleh, and Wolfram Hardt Chemnitz University of Technology, Germany	
14:20 - 14:40	Development of Pedagogical Creativity of Lecturers in Training Courses Through Innovative Methodological Projects: A Case of Uzbekistan Shahnoza Pozilova, Djamshid Sultanov, Feruza Zakirova, Madina Zakirova, Adashboyev Shavkiddin, and Ibraymov Askar Tashkent University of Information Technologies named after Mukhammad al-Kharazmi, Uzbekistan	
14:40 - 15:00	A Study of Factors Predicting Students' University Academic Achievement Amartuvshin Amarzaya, Jargalsaikhan Ankhbayar, and Mend Narantuya National University of Mongolia, Mongolia Mongolian University of Life Sciences, Mongolia Online Presentation	
15:00 - 15:20	Detection of Rice Sheath Blight Leaf Based on Improved YOLOV8 Algorithm Yuze Zhang, Yuxuan Zhou, Hui Yang, Liming Jian, Fangyu Shi, and Aili Wang Harbin University of Science and Technology, China Harbin Verification and Testing Institute, China Online Presentation	
15:20 - 15:40	Coffee Break	
16:00 - 18:00	Social event Cruise at Senftenberger Lake	
From 19:00	Gala Dinner	























Friday	19.07.2024 Day 3
From 08:00	Breakfast/Check-out
	Session 7: Al and Educational Technology Chair: Dr. Shadi Saleh
09:00 - 09:50	Keynote Speech Human Factors Challenges Resulting from Automation and Artificial Intelligence <i>DrIng. Christoph Vernaleken</i> Deutsche Aircraft GmbH, Germany
09:50 - 10:10	The Readiness Evaluation of University Ranking: Case of Mongolian University of Science and Technology Batdorj Davaagombo, Ikhagvasuren Bayar-Erdene, Namnan Tumurpurev, and Narantsetseg Yadmaa Mongolian University of Science and Technology, Mongolia
10:10 – 10:30	The Impact of Tutor Quality on E-learning Acceptance: A Mediating Effect of E-assessment in Public Universities of Malaysia Muhammad Imran, Adnan UI Haque, and Eugene Kozlovski Islamia University of Bahawalpur, Pakistan Yorkville University, Canada University of Exeter, UK
10:30 - 10:50	Enhancing College Students' Critical Thinking Through Classroom News Literacy Intervention Swagata Ghosh, Gajendra S. Chauhan, and Renu Kotwal Birla Institute of Technology & Science, India
10:50 - 11:10	The ICT Competence Framework for Formal and Non-Formal Educational Training in Mongolia Itgel Miyejav, Buyandelger Banzragch, <i>Lut-Ochir Vanganjil</i> , and Oyungoo Enkhbold Mongolian National Institute for Educational, Mongolia
11:10 - 11:30	Subjective and Objective Evaluation of Mock Classes for Faculty Development Satori Hachisuka, Kayoko Kurita, and Shinichi Warisawa The University of Tokyo, Japan
11:30 – 11:50	Assessment of Higher Education Academic Program Outcomes and Improvement of Quality Assurance Criteria Omboosuren Bolorsaikhan, Sugar Enkhtuvshin, and Uranchimeg Tudevdagva Mongolian National University of Medical Sciences, Mongolia Mongolian National University of Education, Mongolia Chemnitz University of Technology, Germany Online Presentation
11:50 - 12:30	Certificates Handing Session
From 12:30	Lunch
From 13:00	Departure











