

Technical Program

WeA1	Oral Session
Invited Session I	
Chair: Li Zheng	Tsinghua Univ.
Co-Chair: CHEN Yongqiang	Tsinghua Univ.
2020-8-19 14:00 - 16:00	WeA1.1
<i>Juvenile Robot Programming</i> , pp. 3-8.	
CHEN Yongqiang	Tsinghua Univ.
Tao Pin	Tsinghua Univ.
2020-8-19 14:00 - 16:00	WeA1.2
<i>Multi-integrated Reform for the Course of Data Structure</i> , pp. 9-13.	
Qian Wang	Chongqing Univ.
Dongsheng Zou	Chongqing Univ.
Liang Ge	Chongqing Univ.
2020-8-19 14:00 - 16:00	WeA1.3
<i>Precision Teaching Based on Data-driven Model</i> , pp. 14-18.	
Ying Li	Beihang Univ.
Zhang Jiong	Beihang Univ.
Tianyu Chen	Beihang Univ.
2020-8-19 14:00 - 16:00	WeA1.4
<i>Research and Design of Computer Main Course Standard</i> , pp. 19-23.	
Ying Li	Beihang Univ.
Li Zheng	Tsinghua Univ.
Shicheng Yu	Beihang Univ.
Qianben Qi	Beihang Univ.
2020-8-19 14:00 - 16:00	WeA1.5
<i>Research on the Knowledge and Ability Dual-driven Teaching Model for the Course of Compilers Principles</i> , pp. 24-29.	
Yanxiang HE	Wuhan Univ.
Zhuomin DU	Wuhan Univ.
Hanfei WANG	Wuhan Univ.
2020-8-19 14:00 - 16:00	WeA1.6
<i>Research on the Knowledge Hierarchy and Practical Teaching of Operating System course under the Background of Emerging Engineering</i> , pp. 30-34.	
Xiangqun Chen	Peking Univ.

Weizhen Sun	Capital Normal Univ.
Yu Luo	National Univ. of Defense Tech.
Lei Wang	Beihang Univ.
Yong Xiang	Tsinghua Univ.

2020-8-19 14:00 - 16:00 WeA1.7

[Sustainable C++ Education in General High School: from Teaching Programming Skills to Developing Computational Thinking](#), pp. 35-38.

Wang Xiduo	The Second High School Attached to Beijing Normal Univ
Liu Jialin	Beijing Normal Univ.
Zhang Zhizhen	Beijing Normal Univ.

2020-8-19 14:00 - 16:00 WeA1.8

[Exploiting Crowd-based Learning Method in Software Engineering Course](#), pp. 39-44.

Xinjun Mao	National Univ. of Defense Tech.
Yao Lu	National Univ. of Defense Tech.
Yi Yang	National Univ. of Defense Tech.

2020-8-19 14:00 - 16:00 WeA1.9

[Web-based Teamwork: Distributed Software Development Course under Covid-19](#), pp. 45-50.

Rui ZHANG	Jilin University/Key Lab of Symbolic Computation & Knowledge Engineering, Ministry of Education
Pedro Mestre	Univ. of Minho/University of Tras-os-Montes & Alto Dourc
Carlos Serodio	Univ. of Minho/University of Tras-os-Montes & Alto Dourc
Marilia Prada	Instituto Universitario de Lisboa
Wenjuan GAO	Library of Changchun Univ.

WeB1 Oral Session

Invited Session II

Chair: Kohki NAKANE	Univ. of Fukui
Co-Chair: Carsten Lecon	Univ. of Applied Sciences

2020-8-19 14:00 - 16:00 WeB1.1

[A Study of Evaluation of Vision Training System to Prevent Mild Cognitive Impairment](#), pp. 53-56.

Fumiya Kinoshita	Toyama Prefectural Univ.
Rentaro Ono	Univ. of Fukui
Keita Ichikawa	Univ. of Fukui
Kosuke Hirayama	Univ. of Fukui
Masumi Takada	Yokkaichi Nursing & Medical Care Univ.
Hiroki Takada	Univ. of Fukui

2020-8-19 14:00 - 16:00 WeB1.2

[Corona E-Learning Cocktail - Sustainability of University Education in Times of Pandemics](#), pp. 57-65.

Carsten Lecon

Univ. of Applied Sciences

2020-8-19 14:00 - 16:00

WeB1.3

Course Selection Optimization: Case study - Faculty of Science, University of Peradeniya, Sri Lanka, pp. 66-71.

Rumali Perera

Univ. of Peradeniya

Erunika Dayaratna

Univ. of Peradeniya

2020-8-19 14:00 - 16:00

WeB1.4

Detection of Careless Mistakes during Programming Learning using a Simple Electroencephalograph, pp. 72-77.

Katsuyuki Umezawa

Shonan Inst. of Tech.

Makoto Nakazawa

Junior College of Aizu

Manabu Kobayashi

Waseda Univ.

Yutaka Ishii

Chiba Univ.

Michiko Nakano

Waseda Univ.

Shigeichi Hirasawa

Waseda Univ.

2020-8-19 14:00 - 16:00

WeB1.5

Development and Evaluation of a Real-time Analysis Method for Free-Description Questionnaire Responses, pp. 78-82.

Yoshihiro Adachi

Toyo Univ.

Takanori Negishi

Toyo Univ.

2020-8-19 14:00 - 16:00

WeB1.6

Distributed Computational Framework in TOTEM Architecture Enabled by Blockchain, pp. 83-88.

Dhanya Therese Jose

Univ. of Stavanger

Antorweep Chakravorty

Univ. of Stavanger

Chunming Rong

Univ. of Stavanger

2020-8-19 14:00 - 16:00

WeB1.7

Numerical Analysis of Body Sway for Evaluation of 3D Sickness, pp. 89-95.

Kohki NAKANE

Univ. of Fukui

Rentaro ONO

Univ. of Fukui

Shota YAMAMOTO

Univ. of Fukui

Masumi TAKADA

Yokkaichi Nursing & Medical Care Univ.

Fumiya KINOSHITA

Toyama Prefectural Univ.

Akihiro SUGIURA

Gifu Univ. of Medical Sci.

2020-8-19 14:00 - 16:00

WeB1.8

Viewer's Age Dependence in Subjective Evaluation of Low-Quality Images Presented on High-Definition Displays, pp. 96-100.

Hiromu Ishio

Fukuyama City Univ.

Masaru Miyao

Nagoya Industrial Sci. Research Inst.

Invited Session III

Chair: Hong Zhao	Nankai Univ.
Co-Chair: Yun Guo	Nankai Univ.
2020-8-19 14:00 - 16:00	WeC1.1
A New Teaching Pattern and Evaluation System of Knowledge Point Puzzle in Massive Online Computer Courses , pp. 103-106.	
Peipei Gao	Nankai Univ.
Yuanhong Zhao	Brunel Univ. London
Fang Wang	Brunel Univ. London
Mingxiao Lu	Nankai Univ.
2020-8-19 14:00 - 16:00	WeC1.2
Analysis of College Students 欵 , pp. 107-111.	
Meixue Wu	Nankai Univ.
Hong Zhao	Nankai Univ.
Yun Guo	Nankai Univ.
2020-8-19 14:00 - 16:00	WeC1.3
Formative and Summative Assessment in University Programming Course: Mediation of Problem-Based Learning and Moderation of Peer Evaluation , pp. 112-117.	
Yun Guo	Nankai Univ.
Hong Zhao	Nankai Univ.
Kai Wang	Nankai Univ.
Min Li	School of Computer Science, Hubei Univ. of Tech.
2020-8-19 14:00 - 16:00	WeC1.4
Research on the Relationship between Air Pollution and College Students' Exam Scores , pp. 118-122.	
Haoran Zhang	Nankai Univ.
Hong Zhao	Nankai Univ.
Yan Li	Nankai Univ.
Yun Guo	Nankai Univ.
Xiaoyu Yan	Nankai Univ.
2020-8-19 14:00 - 16:00	WeC1.5
Student Achievement Analysis and Prediction Based on the Whole Learning Process , pp. 123-128.	
Meixue Wu	Nankai Univ.
Hong Zhao	Nankai Univ.
Xiaoyu Yan	Nankai Univ.
Yun Guo	Nankai Univ.
Kai Wang	Nankai Univ.
2020-8-19 14:00 - 16:00	WeC1.6

Teaching Practice and Exploration of Compiling Principles under the Background of First-class Curriculum Construction, pp. 129-132.

Huamei Qi Central South Univ.
Xiaoyan Kui Central South Univ.
Zhigang Chen Central South Univ.

2020-8-19 14:00 - 16:00

WeC1.7

The Application of O-AMAS Effective Teaching Model and Flipped Classroom in Database Technology and Application Course, pp. 133-136.

Mingxiao Lu Nankai Univ.
Peipei Gao Nankai Univ.
Hong Zhao Nankai Univ.
Kai Wang Nankai Univ.

2020-8-19 14:00 - 16:00

WeC1.8

The Innovative Curriculum Construction of 计算机 fundamentals 计算机, pp. 137-141.

Min Li School of Computer Science, Hubei Univ. of Tech.
Yun Guo Nankai Univ.
Hong Zhao Nankai Univ.
Peipei Gao Nankai Univ.
Gang Wang Jimei Univ.

WeA2

Oral Session

Educational Technology I

Chair: Olanrewaju Tahir Aduragba Durham Univ.
Co-Chair: Jialin Yu Durham Univ.

2020-8-19 16:00 - 18:00

WeA2.1

A New Simple Programming Language for Education, pp. 145-149.

Aaron Rababaah American Univ. of Kuwait

2020-8-19 16:00 - 18:00

WeA2.2

Cost-efficient Hands-on Learning Design for Computer Organization Course, pp. 150-155.

Suk Jin Lee Columbus State Univ.
Andrew Jung Univ. of Hartford
Jinsook Park Univ. of Hartford
Mira Yun Wentworth Inst. of Tech.

2020-8-19 16:00 - 18:00

WeA2.3

Different Perspectives on Students 计算机, pp. 156-161.

Sanja Candrljic Univ. of Rijeka

2020-8-19 16:00 - 18:00

WeA2.4

Digital Inclusion in Northern England: Training Women from Underrepresented Communities in Tech: A Data Analytics Case Study, pp.

162-168.

Olanrewaju Tahir Aduragba
Jialin Yu
Alexandra I. Cristea
Mariann Hardey
Sue Black

Durham Univ.
Durham Univ.
Durham Univ.
Durham Univ.
Durham Univ.

2020-8-19 16:00 - 18:00

WeA2.5

[Incorporating IoT and Data Analytics in an Introductory Programming Course](#), pp. 169-175.

Gina Cooper
Russ Walker
Ed Hill
Natalie Waksanski

DeVry Univ.
DeVry Univ.
DeVry Univ.
DeVry Univ.

2020-8-19 16:00 - 18:00

WeA2.6

[Investigating the Understanding of Plagiarism: A Case Study of Code Plagiarism in China](#), pp. 176-181.

Lujiang Yu
Hui Jiang
Hongming Zhu
Qinpei Zhao
Jessie Chen

Tongji Univ.
Tongji Univ.
Tongji Univ.
Tongji Univ.
Univ. of Eastern Finland

2020-8-19 16:00 - 18:00

WeA2.7

[Temporal Sentiment Analysis of Learners: Public Versus Private Social Media Communication Channels in a Women-in-Tech Conversion Course](#), pp. 182-187.

Jialin Yu
Olanrewaju Tahir Aduragba
Zhongtian Sun
Sue Black
Craig Stewart
Lei Shi

Durham Univ.
Durham Univ.
Durham Univ.
Durham Univ.
Durham Univ.
Durham Univ.

WeB2

Oral Session

Computer Science I

Chair: Caidan Zhao
Co-Chair: Lianfen Huang

Xiamen Univ.
Xiamen Univ.

2020-8-19 16:00 - 18:00

WeB2.1

[A New Bearing-Fault Classification Method Based on Deep Learning](#), pp. 191-196.

Junjie Deng
Gege Luo
Caidan Zhao

Xiamen Univ.
Xiamen Univ.
Xiamen Univ.

2020-8-19 16:00 - 18:00	WeB2.2
<i>An Intelligent Maritime Communication Signal Recognition Algorithm Based on ACWGAN</i> , pp. 197-201.	
Zhao Caidan	Xiamen Univ.
He Zeping	Xiamen Univ.
Luo Gege	Xiamen Univ.
Chen Caiyun	Xiamen Univ.
2020-8-19 16:00 - 18:00	WeB2.3
<i>Detection of Android Malicious Family Based on Manifest Information</i> , pp. 202-205.	
Yingmin Zhang	Xiamen Univ.
Chao Feng	Xiamen Univ.
Lianfen Huang	Xiamen Univ.
Chaolin Ye	Xiamen Univ.
Le Weng	Xiamen Univ.
2020-8-19 16:00 - 18:00	WeB2.4
<i>Intelligent Pipeline Leak Detection and Analysis System</i> , pp. 206-210.	
Huiwen Lin	Xiamen Univ.
Hezhi Lin	Xiamen Univ.
Xiaoxuan Fang	Xiamen Univ.
Mingkang Wang	Xiamen Univ.
Lianfen Huang	Xiamen Univ.
2020-8-19 16:00 - 18:00	WeB2.5
<i>Modeling Transition Matrix for a Collaborative Rating Prediction Recommendation System via Nonnegative Tensor Decomposition</i> , pp. 211-216.	
Zhehao Zhou	Xiamen Univ.
Shenbao Yu	Xiamen Univ.
Jiewen Guan	Xiamen Univ.
Bilian Chen	Xiamen Univ.
Langcai Cao	Xiamen Univ.
2020-8-19 16:00 - 18:00	WeB2.6
<i>Multi-modal Laryngeal Data Acquisition and Processing System</i> , pp. 217-221.	
Jiacheng Xuan	Xiamen Univ.
Hezhi Lin	Xiamen Univ.
Lianfen Huang	Xiamen Univ.
2020-8-19 16:00 - 18:00	WeB2.7
<i>Stacked Model with Autoencoder for Financial Time Series Prediction</i> , pp. 222-226.	
Haiying Zhang	Xiamen Univ.

Qiaomei Liang	Xiamen Univ.
Rongqi Wang	Xiamen Rural Commercial Bank
Qingqiang Wu	Xiamen Univ.

2020-8-19 16:00 - 18:00 WeB2.8

[Research on WeChat Mini Program APP Service of Academic Social Network Application](#), pp. 227-231.

Jian Li	Xiamen Univ. Library
Guangqin Zhang	Peking Universtiy
Jing Lin	Xiamen Univ. Library
Yankai Huang	Xiamen Univ.
Xiaoqing Lin	Fujian Normal Univ.

WeC2	Oral Session
Educational Technology II	

Chair: Yuan Jiugen	Jiangxi Sci. & Tech. Normal Univ.
Co-Chair: Xing Ruonan	Jiangxi Normal Univ.

2020-8-19 16:00 - 18:00 WeC2.1

[A Study on the Role of MOOCs in Computer Basic Teaching in Universities](#), pp. 235-238.

Boqin Liu	Southwest Univ.
Hanrong Chen	Southwest Univ.

2020-8-19 16:00 - 18:00 WeC2.2

[Application and Model of Virtual Reality in Physical Experiment](#), pp. 239-244.

Yuan Jiugen	Jiangxi Sci. & Tech. Normal Univ.
Fan Anqi	Jiangxi Sci. & Tech. Normal Univ.
Xing Ruonan	Jiangxi Normal Univ.

2020-8-19 16:00 - 18:00 WeC2.3

[Cloud Computing-based Big Data Mining Connotation and Solution](#), pp. 245-248.

Yuan Jiugen	Jiangxi Sci. & Tech. Normal Univ.
Xing Ruonan	Jiangxi Normal Univ.

2020-8-19 16:00 - 18:00 WeC2.4

[Construction of Teaching System Based on Blackboard Teaching Platform](#), pp. 249-252.

Li Jianhong	Jiangxi Sci. & Tech. Normal Univ.
Hong Furong	Jiangxi Sci. & Tech. Normal Univ.

2020-8-19 16:00 - 18:00 WeC2.5

[Design and Implementation of University Continuing Education Informatization Platform Based on SaaS Model](#), pp. 253-256.

Boqin Liu	Southwest Univ.
Hanrong Chen	Southwest Univ.

He Junmei	Southwest Univ.
2020-8-19 16:00 - 18:00	WeC2.6
<i>Design of Mobile Learning Platform Based on Android</i> , pp. 257-261.	
Li Jianhong	Jiangxi Sci. & Tech. Normal Univ.
Wu Xinyue	Jiangxi Sci. & Tech. Normal Univ.
2020-8-19 16:00 - 18:00	WeC2.7
<i>Design Research of Physical Virtual Experiment Based on Virtual Reality Technology</i> , pp. 262-266.	
Jiugen Yuan	Jiangxi Sci. & Tech. Normal Univ.
Yang Jing	Jiangxi Sci. & Tech. Normal Univ.
Xing Ruonan	Jiangxi Normal Univ.
2020-8-19 16:00 - 18:00	WeC2.8
<i>Discussion on Teaching Reform of Computer Education Major Based on Information Key Competency</i> , pp. 267-271.	
Yan Liang	Tianjin Normal Univ.
Changhe Li	Tianjin Economic Technological Development Area No.1 Middle School
2020-8-19 16:00 - 18:00	WeC2.9
<i>Reform and Practice of University Computer Basic Course Teaching Mode Based on Smart learning</i> , pp. 272-275.	
He Junmei	Southwest Univ.
Liu Boqin	Southwest Univ.
2020-8-19 16:00 - 18:00	WeC2.10
<i>Research and Practice of Pre-service Information Technology Teachers</i> 欵, pp. 276-280.	
Yan Liang	Tianjin Normal Univ.

ThA1	Oral Session
e-Society/smart-Society/Industrial Design	

Chair: Li Qin	Huazhong Agricultural University/Hubei Engineering Tech. Research Center of Agricultural Big
Co-Chair: Yongyi Zhang	Guangdong Univ. of Finance & Economics

2020-8-20 8:30 - 10:30	ThA1.1
<i>Approach to Improving Training of Human Workers in Industrial Applications through the Use of Intelligence Augmentation and Human-in-the-Loop</i> , pp. 283-288.	
Benedikt Maettig	Fraunhofer-Institute for Material Flow & Logistics IML
Hermann Foot	Fraunhofer-Institute for Material Flow & Logistics IML

2020-8-20 8:30 - 10:30	ThA1.2
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CAN Communication Detection System Design for Engineering Vehicle Electronic Control Unit, pp. 289-292.

Xing Fan

Ningxia Univ.

Xingjian Zheng

Ningxia Univ.

Yongqi Ge

Ningxia Univ.

2020-8-20 8:30 - 10:30

ThA1.3

Research on Application of Python Web Crawler Technology in DCEP and Legal Risk, pp. 293-299.

Yongyi Zhang

Guangdong Univ. of Finance & Economics

2020-8-20 8:30 - 10:30

ThA1.4

Simulation Analysis of Particle-CO₂ Solid-Gas Two-Phase Flow Field Based on Precision Cleaning, pp. 300-305.

Hong Zhao-bin

Xiamen Univ. of Tech.

Guo Ling-yu

Xiamen Univ. of Tech.

Chen Shui-xuan

Xiamen Univ. of Tech.

Qiu Yi-hui

Xiamen Univ. of Tech.

2020-8-20 8:30 - 10:30

ThA1.5

Small Agricultural Phenotype Robot and Its Navigation and Obstacle Avoidance in Parallel Walls, pp. 306-311.

Li Qin

Huazhong Agricultural University/Hubei Engineering Tech. Research
Center of Agricultural Big

Ci Zhang

Huazhong Agricultural Univ.

Bo-xuan Fang

Huazhong Agricultural Univ.

Tian Wu

Huazhong Agricultural Univ.

Chong-Zhi Shong

Huazhong Agricultural Univ.

2020-8-20 8:30 - 10:30

ThA1.6

The 3D Projection Function on NetPad, pp. 312-316.

Qixin Zhou

Guangzhou Univ.

Chuanzhong Li

Guangzhou Univ.

Ruiqi Cai

Guangzhou Univ.

Miaoxuan Li

Guangzhou Univ.

Chuanjun Zhang

Guizhou Education Univ.

Hao Guan

The Chinese Academy of Sci.

2020-8-20 8:30 - 10:30

ThA1.7

Two-lane Multipoint Overtaking Decision Model Based on Vehicle Network, pp. 317-322.

Simu Qin

Shandong Univ. of Sci. & Tech.

Xu Li

Shandong Univ. of Sci. & Tech.

Jianchun Wang

Shandong Univ. of Sci. & Tech.

ThB1

Oral Session

Computer Science II

Chair: Chunzhi Wang
Co-Chair: Cen Gang

Hubei Univ. of Tech.
Zhejiang Univ. of Sci. & Tech.

2020-8-20 10:30 - 12:30

ThB1.1

Design of Children 欵機 Education Auxiliary System Based on CNN, pp. 325-330.

Shen Mengting
Cen Gang
Zhou Wen
Zhu Runkai
Liang Yaqin

Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.

2020-8-20 10:30 - 12:30

ThB1.2

Design of Contract Review System in Enterprise Legal Department Based on Natural Language Processing, pp. 331-335.

Liang Yaqin
Cen Gang
Zhu Runkai
Shen Mengting

Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.

2020-8-20 10:30 - 12:30

ThB1.3

Design of Student Affairs Management Platform Based on College System, pp. 336-340.

Zhu Runkai
Cen Gang
Ai Yining
Jiang Xingfei

Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.

2020-8-20 10:30 - 12:30

ThB1.4

Design of Temporary Vehicle Parking Management System of Residential Area Based on Credit System, pp. 341-344.

Chunzhi Wang
Ruoxi Wang
Zhiqun Su

Hubei Univ. of Tech.
Wuhan Fiberhome Technical Services Co., Ltd
Wuhan Fiberhome Technical Services Co., Ltd

2020-8-20 10:30 - 12:30

ThB1.5

Design of Video Cloud Networking Scheme in Expressway, pp. 345-348.

Chunzhi Wang
Ruoxi Wang
Siwei Wei
Yong Zeng

Hubei Univ. of Tech.
Wuhan Fiberhome Technical Services Co., Ltd
CCCC Second Highway Consultants Co, Ltd
Wuhan Fiberhome Technical Services Co., Ltd

2020-8-20 10:30 - 12:30

ThB1.6

Garbage Classification System Based on AI and IoT, pp. 349-352.

Ding Zhaojie
Zhu Chenjie

Zhejiang Univ. of Sci. & Tech.
Zhejiang Univ. of Sci. & Tech.

Wang Jiajie	Zhejiang Univ. of Sci. & Tech.
Qiu Yifan	Zhejiang Univ. of Sci. & Tech.
Cen Gang	Zhejiang Univ. of Sci. & Tech.

2020-8-20 10:30 - 12:30 ThB1.7

[Science Development Fault of and Prediction on Quantum Computers and Quantum Communication](#), pp. 353-358.

Fengxiang Zhang	Huazhong Univ. of Sci. & Tech.
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2020-8-20 10:30 - 12:30 ThB1.8

[Short-Term Highway Traffic Flow Forecasting Based on XGBoost](#), pp. 359-362.

Jiawei Cao	Zhejiang Univ. of Sci. & Tech.
Gang Cen	Zhejiang Univ. of Sci. & Tech.
Yuefeng Cen	Zhejiang Univ. of Sci. & Tech.
Weifeng Ma	Zhejiang Univ. of Sci. & Tech.

ThC1	Oral Session
Educational Technology III	

Chair: Haoxiang Lang	Ontario Tech Univ.
Co-Chair: Huagang Zhou	Nanning Univ.

2020-8-20 8:30 - 10:30 ThC1.1

[A Study on the Differences of Attitude Learning and Learning Behavior Sequences for University Computer MOOC+ SPOC Course](#), pp. 365-369.

Zhao Changhua	Huaihua Univ.
Mi Chunqiao	Huaihua Univ.

2020-8-20 8:30 - 10:30 ThC1.2

[A Tangible-Augmented Concept Inventory to Identify Novices' Misconceptions in Programming](#), pp. 370-374.

Henry Julie	Univ. of Namur
Magis Tom	Univ. of Namur
Clarival Antoine	Univ. of Namur
Vanderose Benoit	Univ. of Namur
Dumas Bruno	Univ. of Namur

2020-8-20 8:30 - 10:30 ThC1.3

[Constructing Quality Evaluation System of Teaching Interaction for Intelligent Classroom](#), pp. 375-378.

Xinyi Guo	Chongqing College of Electronic Engineering
Xiaohui Xu	Chongqing College of Electronic Engineering

2020-8-20 8:30 - 10:30 ThC1.4

[Cultivating Personal Capabilities Based on Problem-Based Learning: A Practice in Web Development](#), pp. 379-382.

Huagang Zhou	Nanning Univ.
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Jian Li	Xiamen Univ. Library
Jielin Zhong	Nanning Univ.
2020-8-20 8:30 - 10:30	ThC1.5
<i>Design and Implementation of Student Programming Profile-based Teaching Aids Solution in Introductory Programming Course</i> , pp. 383-390.	
Zhang Li	Nanjing Univ.
Zhang Jie	Nanjing Univ.
Huang Daming	Nanjing Univ.
2020-8-20 8:30 - 10:30	ThC1.6
<i>Exploration on Theoretical and Practical Projects of Software Architecture Course</i> , pp. 391-395.	
Li Zhang	Beihang Univ.
Yanxu Li	Beihang Univ.
Ning Ge	Beihang Univ.
2020-8-20 8:30 - 10:30	ThC1.7
<i>Gamification of LR Algorithm: Engaging Students by Playing in Compiler Principle Course</i> , pp. 396-400.	
Yujie Zhang	Beijing Univ. of Posts & Telecommunications
Yuhao Dou	Beijing Univ. of Posts & Telecommunications
Xiangwu Meng	Beijing Univ. of Posts & Telecommunications
Yi'an Lai	Beijing Univ. of Posts & Telecommunications
Yuhao Lu	Beijing Univ. of Posts & Telecommunications
Xin Wang	Xiamen Intermediate People 欵樅 Court
2020-8-20 8:30 - 10:30	ThC1.8
<i>How to Promote the Development of Youth Information Technology Education in China through Programming Ability for Adolescents Standard</i> , pp. 401-405.	
Jin Ying	Nanjing Univ.
Zhang Jie	Nanjing Univ.
Tao Ye	Nanjing Univ.
Zhang Li	Nanjing Univ.
2020-8-20 8:30 - 10:30	ThC1.9
<i>Project Based Instruction for Computer Aided Design and Mechatronics Courses</i> , pp. 406-410.	
Yuelel Yang	Ontario Tech Univ.
Haoxiang Lang	Ontario Tech Univ.
2020-8-20 8:30 - 10:30	ThC1.10
<i>Teaching Reform of Programming Basic Course Based on SPOC Blended Teaching Method</i> , pp. 411-415.	
Xiaoying Li	Hunan Univ.
Changlong Gu	Hunan Univ.

ThA2	Oral Session
Data Science I	

Chair: Jing Du	Tsinghua Univ.
Co-Chair: Jie Wang	Guangzhou Univ.

2020-8-20 10:30 - 12:30 ThA2.1

[A Spark-based Distributed Dragonfly Algorithm for Feature Selection](#), pp. 419-423.

Hongwei Chen	Hubei Univ. of Tech.
Dongqiang Liu	Hubei Univ. of Tech.
Lin Han	Hubei Univ. of Tech.
Shuyu Yao	Hubei Univ. of Tech.
Congyuan Jin	Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd
Xiang Hu	Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd

2020-8-20 10:30 - 12:30 ThA2.2

[An Improved Salp Swarm Algorithm Based on Spark for Feature Selection](#), pp. 424-429.

Hongwei Chen	Hubei Univ. of Tech.
Fangrui Liu	Hubei Univ. of Tech.
Pengyang Chang	Hubei Univ. of Tech.
Shuyu Yao	Hubei Univ. of Tech.
Fei Huang	Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd
Jiwei Hu	Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd

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Zipeng Zhang	Hubei Univ. of Tech.
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Aijun Liu	Hubei Univ. of Tech.
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Data Science I	ThA2	Jing Du	Tsinghua University	Jie Wang	Guangzhou University
Computer Science III	ThB2	Luona Song	Beijing University of Posts and Telecommunications	Sena Seneviratne	Sydney University
Educational Technology IV	ThC2	Zhiguo Shi	Zhejiang University/Alibaba-Zhejiang University Joint Research Institute of Frontier Technologies	Xiang Fang	Shandong Technology and Business University
Data Science II	ThA3	Jana Jost	Fraunhofer Institute for Material Flow and Logistics	Hao Wang	Hospitality Institute of Sanya
Computer Science IV	ThB3	Hexiang Tan	Nanjing University of Posts & Telecommunications	Yongxin Xi	Zhejiang University
Educational Technology V	ThC3	Xing Liu	Wuhan University of Technology	Weina Cheng	Central China Normal University
Poster Session	ThP				