# Technical Program

## Invited Session I

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair:</strong> Li Zheng</td>
<td></td>
<td>Tsinghua Univ.</td>
</tr>
<tr>
<td><strong>Co-Chair:</strong> CHEN Yongqiang</td>
<td></td>
<td>Tsinghua Univ.</td>
</tr>
</tbody>
</table>

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

*Juvenile Robot Programming*, pp. 3-8.

- CHEN Yongqiang
- Tao Pin

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

*Multi-integrated Reform for the Course of Data Structure*, pp. 9-13.

- Qian Wang
- Dongsheng Zou
- Liang Ge

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

*Precision Teaching Based on Data-driven Model*, pp. 14-18.

- Ying Li
- Zhang Jiong
- Tianyu Chen

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

*Research and Design of Computer Main Course Standard*, pp. 19-23.

- Ying Li
- Li Zheng
- Shicheng Yu
- Qianben Qi

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

*Research on the Knowledge and Ability Dual-driven Teaching Model for the Course of Compilers Principles*, pp. 24-29.

- Yanxiang HE
- Zhuomin DU
- Hanfei WANG

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

*Research on the Knowledge Hierarchy and Practical Teaching of Operating System course under the Background of Emerging Engineering*, pp. 30-34.

- Xiangqun Chen
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**


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**


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 Douro

Carlos Serodio
Univ. of Minho/University of Tras-os-Montes & Alto Douro

Marilia Prada
Instituto Universitario de Lisboa

Wenjuan GAO
Library of Changchun Univ.

---

**WeB1**

**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**


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.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliations</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-8-19 14:00 - 16:00</td>
<td>WeB1.3</td>
<td>Course Selection Optimization: Case study - Faculty of Science, University of Peradeniya, Sri Lanka, pp. 66-71.</td>
<td>Rumali Perera, Erunika Dayaratna</td>
<td>Univ. of Peradeniya, Univ. of Peradeniya</td>
</tr>
<tr>
<td>2020-8-19 14:00 - 16:00</td>
<td>WeB1.4</td>
<td>Detection of Careless Mistakes during Programming Learning using a Simple Electroencephalograph, pp. 72-77.</td>
<td>Katsuyuki Umezawa, Makoto Nakazawa, Manabu Kobayashi, Yutaka Ishii, Michiko Nakano, Shigeichi Hirasawa</td>
<td>Shonan Inst. of Tech., Junior College of Aizu, Chiba Univ., Waseda Univ., Waseda Univ.</td>
</tr>
<tr>
<td>2020-8-19 14:00 - 16:00</td>
<td>WeB1.5</td>
<td>Development and Evaluation of a Real-time Analysis Method for Free-Description Questionnaire Responses, pp. 78-82.</td>
<td>Yoshihiro Adachi, Takanori Negishi</td>
<td>Toyo Univ., Toyo Univ.</td>
</tr>
<tr>
<td>2020-8-19 14:00 - 16:00</td>
<td>WeB1.6</td>
<td>Distributed Computational Framework in TOTEM Architecture Enabled by Blockchain, pp. 83-88.</td>
<td>Dhanya Therese Jose, Antorweep Chakravorty, Chunming Rong</td>
<td>Univ. of Stavanger, Univ. of Stavanger</td>
</tr>
<tr>
<td>2020-8-19 14:00 - 16:00</td>
<td>WeB1.7</td>
<td>Numerical Analysis of Body Sway for Evaluation of 3D Sickness, pp. 89-95.</td>
<td>Kohki NAKANE, Rentaro ONO, Shota YAMAMOTO, Masumi TAKADA, Fumiya KINOSHITA, Akihiro SUGIURA</td>
<td>Univ. of Fukui, Univ. of Fukui, Univ. of Fukui, Yokkaichi Nursing &amp; Medical Care Univ., Toyama Prefectural Univ., Gifu Univ. of Medical Sci.</td>
</tr>
<tr>
<td>2020-8-19 14:00 - 16:00</td>
<td>WeB1.8</td>
<td>Viewer's Age Dependence in Subjective Evaluation of Low-Quality Images Presented on High-Definition Displays, pp. 96-100.</td>
<td>Hiromu Ishio, Masaru Miyao</td>
<td>Fukuyama City Univ., Nagoya Industrial Sci. Research Inst.</td>
</tr>
</tbody>
</table>
## Invited Session III

| Chair: Hong Zhao                        | Nankai Univ. |
| Co-Chair: Yun Guo                      | Nankai Univ. |

2020-8-19 14:00 - 16:00	WeC1.1


- 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 #**, 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


- 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  
Xiaoyan Kui  
Zhigang Chen  
Central South Univ.

2020-8-19 14:00 - 16:00  
WeC1.7
Mingxiao Lu  
Peipei Gao  
Hong Zhao  
Kai Wang  
Nankai Univ.

2020-8-19 14:00 - 16:00  
WeC1.8
Min Li  
Yun Guo  
Hong Zhao  
Peipei Gao  
Gang Wang  
School of Computer Science, Hubei Univ. of Tech.
Nankai Univ.
Nankai Univ.
Nankai Univ.
Jimei Univ.

We2  
Educational Technology I  
Oral Session
Chair: Olanrewaju Tahir Aduragba  
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
Suk Jin Lee  
Andrew Jung  
Jinsook Park  
Mira Yun  
Columbus State Univ.
Univ. of Hartford
Univ. of Hartford
Wentworth Inst. of Tech.

2020-8-19 16:00 - 18:00  
WeA2.3
Different Perspectives on Students, pp. 156-161.
Sanja Candrlc  
Univ. of Rijeka

2020-8-19 16:00 - 18:00  
WeA2.4
Incorporating IoT and Data Analytics in an Introductory Programming Course, pp. 169-175.


A New Bearing-Fault Classification Method Based on Deep Learning, pp. 191-196.
An Intelligent Maritime Communication Signal Recognition Algorithm Based on ACWGAN, pp. 197-201.
Zhao Caidan  
He Zeping  
Luo Gege  
Chen Caiyun  
Xiamen Univ.

Detection of Android Malicious Family Based on Manifest Information, pp. 202-205.
Yingmin Zhang  
Chao Feng  
Lianfen Huang  
Chaolin Ye  
Le Weng  
Xiamen Univ.

Huwen Lin  
Hezhi Lin  
Xiaoxuan Fang  
Mingkang Wang  
Lianfen Huang  
Xiamen Univ.

Zhehao Zhou  
Shenbao Yu  
Jiewen Guan  
Bilian Chen  
Langcai Cao  
Xiamen Univ.

Multi-modal Laryngeal Data Acquisition and Processing System, pp. 217-221.
Jiacheng Xuan  
Hezhi Lin  
Lianfen Huang  
Xiamen Univ.

Haifying Zhang  
Xiamen Univ.
WeC2

**Educational Technology II**

**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 University
- Jing Lin, Xiamen Univ. Library
- Yankai Huang, Xiamen Univ.
- Xiaoqing Lin, Fujian Normal Univ.

**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.

**WeC2.2**

*Application and Model of Virtual Reality in Physical Experiment*, pp. 239-244.

- Fan Anqi, Jiangxi Sci. & Tech. Normal Univ.
- Xing Ruonan, Jiangxi Normal Univ.

**WeC2.3**

*Cloud Computing-based Big Data Mining Connotation and Solution*, pp. 245-248.

- Xing Ruonan, Jiangxi Normal Univ.

**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.

**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.
2020-8-19 16:00 - 18:00  
**WeC2.6**  
*Design of Mobile Learning Platform Based on Android*, pp. 257-261.

He Junmei  
Southwest Univ.

Li Jianhong  
Jiangxi Sci. & Tech. Normal Univ.

Wu Xinyue  
Jiangxi Sci. & Tech. Normal Univ.

2020-8-19 16:00 - 18:00  
**WeC2.7**  
*Design Research of Physical Virtual Experiment Based on Virtual Reality Technology*, 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**  
*Discussion on Teaching Reform of Computer Education Major Based on Information Key Competency*, 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**  
*Reform and Practice of University Computer Basic Course Teaching Mode Based on Smart learning*, pp. 272-275.

He Junmei  
Southwest Univ.

Liu Boqin  
Southwest Univ.

2020-8-19 16:00 - 18:00  
**WeC2.10**  
*Research and Practice of Pre-service Information Technology Teachers*, pp. 276-280.

Yan Liang  
Tianjin Normal Univ.

2020-8-20 8:30 - 10:30  
**ThA1.1**  
*Approach to Improving Training of Human Workers in Industrial Applications through the Use of Intelligence Augmentation and Human-in-the-Loop*, pp. 283-288.

Benedikt Maettig  
Fraunhofer-Institute for Material Flow & Logistics IML

Hermann Foot  
Fraunhofer-Institute for Material Flow & Logistics IML

Xing Fan  
Xingjian Zhang  
Yongqi Ge  
Ningxia Univ.

---


Yongyi Zhang  
Guangdong Univ. of Finance & Economics

---

**Simulation Analysis of Particle-C02 Solid-Gas Two-Phase Flow Field Based on Precision Cleaning**, pp. 300-305.

Hong Zhao-bin  
Guo Ling-ju  
Chen Shui-xuan  
Qiu Yi-hui  
Xiamen Univ. of Tech.

---


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

Ci Zhang  
Bo-xuan Fang  
Tian Wu  
Chong-Zhi Shong  
Huazhong Agricultural Univ.

---

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

Qixin Zhou  
Chuanzhong Li  
Ruiqi Cai  
Miaoxuan Li  
Chuanjun Zhang  
Hao Guan  
Guangzhou Univ.

---

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

Simu Qin  
Xu Li  
Jianchun Wang  
Shandong Univ. of Sci. & Tech.

---

### ThB1 Oral Session

**Computer Science II**
2020-8-20 10:30 - 12:30

**ThB1.1**

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

Shen Mengting
Cen Gang
Zhou Wen
Zhu Runkai
Liang Yaqin

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

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

**ThB1.3**


Zhu Runkai
Cen Gang
Ai Yining
Jiang Xingfei

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

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

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

**ThB1.6**

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

Ding Zhaojie
Zhu Chenjie
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wang Jiajie</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td>2020-8-20 10:30 - 12:30</td>
<td>ThB1.7</td>
</tr>
<tr>
<td>Qiu Yifan</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cen Gang</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


Fengxiang Zhang
Huazhong Univ. of Sci. & Tech.

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jiawei Cao</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td>2020-8-20 10:30 - 12:30</td>
<td>ThB1.8</td>
</tr>
<tr>
<td>Gang Cen</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yuefeng Cen</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weifeng Ma</td>
<td>Zhejiang Univ. of Sci. &amp; Tech.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Short-Term Highway Traffic Flow Forecasting Based on XGBoost**, pp. 359-362.

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zhao Changhua</td>
<td>Huaihua Univ.</td>
<td>2020-8-20 8:30 - 10:30</td>
<td>ThC1.1</td>
</tr>
<tr>
<td>Mi Chunqiao</td>
<td>Huaihua Univ.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Henry Julie</td>
<td>Univ. of Namur</td>
<td>2020-8-20 8:30 - 10:30</td>
<td>ThC1.2</td>
</tr>
<tr>
<td>Magis Tom</td>
<td>Univ. of Namur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clarinval Antoine</td>
<td>Univ. of Namur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vanderose Benoit</td>
<td>Univ. of Namur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dumas Bruno</td>
<td>Univ. of Namur</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**A Tangible-Augmented Concept Inventory to Identify Novices’ Misconceptions in Programming**, pp. 370-374.

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xinyi Guo</td>
<td>Chongqing College of Electronic Engineering</td>
<td>2020-8-20 8:30 - 10:30</td>
<td>ThC1.3</td>
</tr>
<tr>
<td>Xiaohui Xu</td>
<td>Chongqing College of Electronic Engineering</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Huagang Zhou</td>
<td>Nanning Univ.</td>
<td>2020-8-20 8:30 - 10:30</td>
<td>ThC1.4</td>
</tr>
</tbody>
</table>

**Cultivating Personal Capabilities Based on Problem-Based Learning: A Practice in Web Development**, pp. 379-382.

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Institution</th>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Huagang Zhou</td>
<td>Nanning Univ.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2020-8-20 8:30 - 10:30  
**ThC1.5**


Jian Li  
Xiamen Univ. Library

Jieli Zhong  
Nanning Univ.

2020-8-20 8:30 - 10:30  
**ThC1.6**

*Exploration on Theoretical and Practical Projects of Software Architecture Course*, pp. 391-395.

Li Zhang  
Beihang Univ.

Yanxu Li  
Beihang Univ.

Ning Ge  
Beihang Univ.

2020-8-20 8:30 - 10:30  
**ThC1.7**


Yujie Zhang  
Beijing Univ. of Posts & Telecommunications

Yuhao Dou  
Beijing Univ. of Posts & Telecommunications

Xiangwu Meng  
Beijing Univ. of Posts & Telecommunications

Y’An Lai  
Beijing Univ. of Posts & Telecommunications

Yuhao Lu  
Beijing Univ. of Posts & Telecommunications

Xin Wang  
Xiamen Intermediate People Court

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

*How to Promote the Development of Youth Information Technology Education in China through Programming Ability for Adolescents Standard*, 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**


Yuelei Yang  
Ontario Tech Univ.

Haoxiang Lang  
Ontario Tech Univ.

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

*Teaching Reform of Programming Basic Course Based on SPOC Blended Teaching Method*, pp. 411-415.

Xiaoying Li  
Hunan Univ.

Changlong Gu  
Hunan Univ.
### ThA2
**Data Science I**

<table>
<thead>
<tr>
<th>Chair: Jing Du</th>
<th>Co-Chair: Jie Wang</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tsinghua Univ.</td>
<td>Guangzhou Univ.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2020-8-20 10:30 - 12:30</th>
<th>ThA2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A Spark-based Distributed Dragonfly Algorithm for Feature Selection</strong>, pp. 419-423.</td>
<td></td>
</tr>
<tr>
<td>Hongwei Chen</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Dongqiang Liu</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Lin Han</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Shuyu Yao</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Congyuan Jin</td>
<td>Wuhan Fiberhome Technical Services Co., Ltd/Fiberhome Telecommunication Technologies Co., Ltd</td>
</tr>
<tr>
<td>Xiang Hu</td>
<td>Wuhan Fiberhome Technical Services Co., Ltd/Fiberhome Telecommunication Technologies Co., Ltd</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2020-8-20 10:30 - 12:30</th>
<th>ThA2.2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>An Improved Salp Swarm Algorithm Based on Spark for Feature Selection</strong>, pp. 424-429.</td>
<td></td>
</tr>
<tr>
<td>Hongwei Chen</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Fangrui Liu</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Pengyang Chang</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Shuyu Yao</td>
<td>Hubei Univ. of Tech.</td>
</tr>
<tr>
<td>Fei Huang</td>
<td>Wuhan Fiberhome Technical Services Co., Ltd/Fiberhome Telecommunication Technologies Co., Ltd</td>
</tr>
<tr>
<td>Jiwei Hu</td>
<td>Wuhan Fiberhome Technical Services Co., Ltd/Fiberhome Telecommunication Technologies Co., Ltd</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2020-8-20 10:30 - 12:30</th>
<th>ThA2.3</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2020-8-20 10:30 - 12:30</th>
<th>ThA2.4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fast Parallel Extraction Method of Normalized Vegetation Index</strong>, pp. 433-437.</td>
<td></td>
</tr>
<tr>
<td>Xianyu Zuo</td>
<td>Henan Univ.</td>
</tr>
<tr>
<td>Tongyuan Qi</td>
<td>Henan Univ.</td>
</tr>
<tr>
<td>Baojun Qiao</td>
<td>Henan Univ.</td>
</tr>
<tr>
<td>Zhitao Deng</td>
<td>Henan Univ.</td>
</tr>
<tr>
<td>Qiang Ge</td>
<td>Henan Univ.</td>
</tr>
</tbody>
</table>

| 2020-8-20 10:30 - 12:30 | ThA2.5 |

Wen Qiu  
Univ. of Chinese Academy of Sciences

Jing Du  
Tsinghua Univ.

Fei Li  
Tsinghua Univ.

2020-8-20 10:30 - 12:30  
ThA2.6


Juntao Fan  
Jiangxi Sci. & Tech. Normal Univ.

Lin Zhi  
Jiangxi Sci. & Tech. Normal Univ.

2020-8-20 10:30 - 12:30  
ThA2.7


Jie Wang  
Guangzhou Univ.

Linjing Zhang  
Fuzhou Administration Inst.

Chuanzhong Li  
Guangzhou Univ.

Ruiqi Cai  
Guangzhou Univ.

Wanwei Chen  
Guangzhou Univ.

Yongsheng Rao  
Guangzhou Univ.

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


Li-ping Yang  
Huazhong Agricultural University/Hubei Engineering Tech. Research Center of Agricultural Big

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

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

2020-8-20 10:30 - 12:30  
ThA2.9

The Parallelization and Optimization of K-means Algorithm Based on Spark, pp. 457-462.

Zitian Wang  
Hubei Univ. of Tech.

Albo Xu  
Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd

Zipeng Zhang  
Hubei Univ. of Tech.

Chunzhi Wang  
Hubei Univ. of Tech.

Aijun Liu  
Hubei Univ. of Tech.

Xiang Hu  
Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd

ThB2  
Oral Session

Computer Science III
2020-8-20 10:30 - 12:30  ThB2.1


Luona Song  
Xin Guo  
Yiqi Fan  

Beijing Univ. of Posts & Telecommunications

2020-8-20 10:30 - 12:30  ThB2.2

**Algorithm and Simulation of Ship Maneuver Scheme under Ocean Rights Protection**, pp. 471-476.

Siyuan Chang  
Caiquan Xiong  
Dahai Xia  

Hubei Univ. of Tech.

2020-8-20 10:30 - 12:30  ThB2.3

**Eye-tracking Based Performance Analysis in Error Finding Programming Test**, pp. 477-482.

Lianzhen Liu  
Wei Liu  
Xinyu Li  
Weiwei Wang  
Wenqing Cheng  

Huazhong Univ. of Sci. & Tech.

2020-8-20 10:30 - 12:30  ThB2.4

**Automated Summarizing of Bug Reports to Speed-up Software Development/Maintenance Process by Using Natural Language Processing (NLP)**, pp. 483-488.

M. Irtaza Nawaz Tarar  
Faizan Ahmed  
Wasi Haider Butt  

National Univ. of Sciences & Technology, Islamabad, Pakistan

2020-8-20 10:30 - 12:30  ThB2.5


Sha Sun  
Hanjun Jiang  
Mingchao Yin  
Chun Zhang  

Tsinghua Univ.

2020-8-20 10:30 - 12:30  ThB2.6

**Development of Job Skill Model Based on EIS 購務 Purchase Role as an Example**, pp. 494-499.

Runxin Yang  
Jimei Li  
Meijie Du  

Beijing Language & Culture Univ.
2020-8-20 10:30 - 12:30 ThB2.7


Shijin Li  
Yunnan Univ. of Finance & Economics

Yijia Gao  
Yunnan Univ. of Business Management

Fushou Tao  
Yunnan Univ. of Finance & Economics

Ting Shi  
Yunnan Business Information Engineering School

2020-8-20 10:30 - 12:30 ThB2.8


Sena Seneviratne  
Sydney Univ.

Liyangage C De Silva  
Universiti Brunei Darussalam

Jie Hu  
Zhejiang Univ.

Wenxing Hong  
Xiamen Univ.

Judith Beveridge  
Sydney Univ.

David Levy  
Sydney Univ.

2020-8-20 10:30 - 12:30 ThB2.9

*iSchool: a Tool Software for Identifying Suspicious Copied Homework Documents with Definitive Contents*, pp. 511-516.

Gang Lu  
Beijing Univ. of Chemical Tech.

Jingyang Gao  
Beijing Univ. of Chemical Tech.

Ruiqi Li  
Beijing Univ. of Chemical Tech.

2020-8-20 10:30 - 12:30 ThB2.10

*Multi-Scale Adaptive Graph Convolutional Network for Skeleton-Based Action Recognition*, pp. 517-522.

Yiqi Fan  
Beijing Univ. of Posts & Telecommunications

Xiaojuan Wang  
Beijing Univ. of Posts & Telecommunications

Tianqi Lv  
Beijing Univ. of Posts & Telecommunications

Lingrui Wu  
Beijing Univ. of Posts & Telecommunications

2020-8-20 10:30 - 12:30 ThB2.11


Shijin Li  
Yunnan Univ. of Finance & Economics

Yijia Gao  
Yunnan Univ. of Business Management

Fucai Wang  
Yunnan Business Information Engineering School

Ting Shi  
Yunnan Business Information Engineering School

2020-8-20 10:30 - 12:30 ThB2.12

*Saliency Detection in Textured Images*, pp. 529-534.

Yu Zeng  
China Smart City Planning & Design Research Inst. Co., Ltd/Chinese Society For Urban Studies

Biyu Wan  
China Smart City Planning & Design Research Inst. Co., Ltd/Chinese Society For Urban Studies
Student Performance Prediction by LMS Data and Classroom Videos, pp. 535-539.

Wentong Liu
Wei Xu
Xiaoqing Zhan
Wei Liu
Wenqing Cheng

ThC2
Educational Technology IV

Chair: Zhiguo Shi
Co-Chair: Xiang Fang


Liping Li
Xiaosong Wu

Design and Implementation of Primary School App Inventor Programming Mobile Learning Platform based on Wechat Applet, pp. 547-552.

Kaiyue Xiang
Feifei Xu
Dongzhu Hu
Huiju Zhou
Mingyong Li

Design and Practice of Machine Learning Course Based on CDIO and Student Behavior Data, pp. 553-556.

Ruixia Cao
Lu Sun

DIY Smart House: Exploration and Practice of IoT MOOC Education, pp. 557-560.

Zhiguo Shi
Jiming Chen
Shibo He
Exploration and Practice of Python Programming Teaching Model Based on MBO, pp. 561-567.

Dongmei Wei
Xihua Univ.

Xiuhua Wang
Xihua Univ.

Ying Wang
Xihua Univ.

Practice and Thinking of Online Teaching During Epidemic Period, pp. 568-571.

Li Ma
Ordos Inst. of Tech.

Hongying Bai
Ordos Inst. of Tech.

Qiongjie Dai
Ordos Inst. of Tech.

Hui Wang
Ordos Inst. of Tech.

Practice Research of Classroom Teaching System based on Kinect, pp. 572-576.

Yi Zhou
Changshu Inst. of Tech.

Zhe YU
Changshu Inst. of Technology/Harbin branch of United Network Telecommunications Corporation

Xian-dong XU
Changshu Inst. of Tech.

Jin-sen ZHAI
Changshu Inst. of Tech.

He WANG
Changshu Inst. of Tech.

Programming Thinking Training and Course Design for iOS Mobile Development, pp. 577-582.

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

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

Li-Ping Yang
Huazhong Agricultural University/Hubei Engineering Tech. Research Center of Agricultural Big

Research and Development of Virtual Simulation Teaching System for Knee Joint Anatomy, pp. 583-588.

Yingnan Yu
Dalian Ocean Univ.

Ran Li
Dalian Ocean Univ.

Yan Lou
China Medical Univ.

Shuang Li
Dalian Ocean Univ.


Huiyan Li
Univ. of Sanya
2020-8-20 10:30 - 12:30 ThC2.11  
Bin Sun  
Yue Li Dong  
Ordos Inst. of Tech.  
Ordos Inst. of Tech.

2020-8-20 10:30 - 12:30 ThC2.12  
*The Creation and Case Study of Smart Learning Environment*, pp. 596-599.  
Jie Jiang  
Dekun Xu  
Jiangxi Sci. & Tech. Normal Univ.  
Jiangxi Sci. & Tech. Normal Univ.

2020-8-20 10:30 - 12:30 ThC2.13  
*The Teaching Innovation and Research of Python Programming in Financial and Economic Universities*, pp. 600-603.  
Xiang Fang  
Shandong Tech. & Business Univ.

---

**ThA3**  
**Data Science II**  
Oral Session  
Chair: Jana Jost  
Co-Chair: Hao Wang  
Fraunhofer Inst. for Material Flow & Logistics  
Hospitality Inst. of Sanya

2020-8-20 14:00 - 16:00 ThA3.1  
*A Novel Heterogenous Multi-Agent System for Production Processes Based on the Market Economy*, pp. 607-612.  
Jana Jost  
Benedikt M?ttig  
Tobias Schneider  
Fraunhofer Inst. for Material Flow & Logistics  
Fraunhofer IML  
TU Dortmund

2020-8-20 14:00 - 16:00 ThA3.2  
*A Random Forest Classification Model for Transmission Line Image Processing*, pp. 613-617.  
Zhang Bingzhen  
Qiao Xiaoming  
Yang Hemeng  
Zhou Zhubo  
Yuxi Power Supply Bureau, Yunnan Power Grid Co.Ltd.  
Tianjin Zhongwei Aerospace Data System Tech. Co.Ltd  
Tianjin Zhongwei Aerospace Data System Tech. Co.Ltd

2020-8-20 14:00 - 16:00 ThA3.3  
*A Research on Overlapping Relationship Extraction Based on Multi-objective Dependency*, pp. 618-622.  
Lingyun Wang  
Caiquan Xiong  
Na Deng  
Hubei Univ. of Tech.  
Hubei Univ. of Tech.  
Hubei Univ. of Tech.

2020-8-20 14:00 - 16:00 ThA3.4
Zhang Jie  
Jin Ying  
Tao Ye  
Nanjing Univ.

Fault Diagnosis of Uninterruptible Power System Based on Gaussian Mixed Model and XGBoost, pp. 627-634.
Hongyu Chen  
Yanqing Peng  
Qiuyu Yang  
Lei Yan  
Xiamen Univ. of Tech.

Research on the Application of Big Data in Smart Marketing of All-for-one Tourism, pp. 635-637.
Hao Wang  
Hospitality Inst. of Sanya

Study of High-Dimensional Data Analysis based on Clustering Algorithm, pp. 638-641.
Ping Zong  
Junyan Jiang  
Jun Qin  
Nanjing Univ. of Posts & Telecommunications

Study on Replica Strategy of Big Data Storage based on Cloud Environment, pp. 642-645.
Jun Qin  
Shengxi Liang  
Yanyan Song  
Ping Zong  
Nanjing Univ. of Posts & Telecommunications

Abnormal Event Detection in Video Based on Sparse Representation, pp. 649-653.
Xinlu Zong  
Yijie Chen  
Aiping Liu  
Ruicheng Li  
Shiqin Liu  
Han Yu  
Hubei Univ. of Tech.

ThB3  
Computer Science IV
Chair: Hexiang Tan  
Co-Chair: Yongxin Xi  
Nanjing Univ. of Posts & Telecommunications  
Zhejiang Univ.

Abnormal Event Detection in Video Based on Sparse Representation, pp. 649-653.
## An Improvement of Task Scheduling Algorithms for Green Cloud Computing

**Zhong Zong**  
JSTI Group

## Design and Implementation of Laboratory Fault Reporting System Based on Asp.net

**Zetian Guo**  
Xiamen Univ. of Tech.  
**Yingyue Chen**  
Xiamen Univ. of Tech.

## Energy-aware and Deadline-constrained Task Scheduling in Fog Computing Systems

**Hexiang Tan**  
Nanjing Univ. of Posts & Telecommunications  
**Wenjie Chen**  
Nanjing Univ. of Posts & Telecommunications  
**Libing Qin**  
Nanjing Univ. of Posts & Telecommunications  
**Jie Zhu**  
Nanjing Univ. of Posts & Telecommunications  
**Haiping Huang**  
Nanjing Univ. of Posts & Telecommunications

## Facial Expression Recognition Based on Sparse Autoencoder and Shallow Convolutional Neural Network

**Menghan Sheng**  
Hubei Univ. of Tech.  
**Li Zhang**  
Wuhan Fiberhome Technical ServicesCo., Ltd/Fiberhome Telecommunication Technologies Co., Ltd  
**Lingyu Yan**  
Hubei Univ. of Tech.  
**Chunzhi Wang**  
Hubei Univ. of Tech.  
**Min Li**  
Hubei Univ. of Tech.  
**Huiling Xia**  
Hubei Univ. of Tech.

## Network Programming Interface in General-Purpose Multi-core Processor: A Survey

**Jinli Yan**  
National Univ. of Defense Tech.  
**Chunbo Jia**  
National Univ. of Defense Tech.  
**Lu Tang**  
National Univ. of Defense Tech.  
**Tao Li**  
National Univ. of Defense Tech.  
**Gaofeng Lv**  
National Univ. of Defense Tech.  
**Wei Quan**  
National Univ. of Defense Tech.

## PPB: a Path-based Packet Batcher to Accelerate Vector Packet Processor

**Jinli Yan**  
National Univ. of Defense Tech.  
**Lu Tang**  
National Univ. of Defense Tech.
ThB3.8


Tao Li
Gaofeng Lv
Wei Quan
Hui Yang

National Univ. of Defense Tech.

2020-8-20 14:00 - 16:00

ThB3.9


Cong Wu
Yanlong Liu
Yixuan Zou

Hubei Univ. of Tech.

2020-8-20 14:00 - 16:00

ThB3.10


Yongxing Xi
Bin Li
Zhan Zhang
Yuehai Wang

Zhejiang Univ.

2020-8-20 14:00 - 16:00

ThB3.11

**Thoughts on Application of Artificial Intelligence in Teaching of Different Disciplines**, pp. 703-707.

Fan Xu
Lan Wang
Jian Gao

Tianjin Normal Univ.

2020-8-20 14:00 - 16:00

ThC3

**Educational Technology V**

Chair: Xing Liu
Co-Chair: Weina Cheng

Wuhan Univ. of Tech.
Central China Normal Univ.

2020-8-20 14:00 - 16:00

ThC3.1

**Active Learning in Online Computer Systems Course**, pp. 711-715.

Lida Huang
Huan Zhao
Kehua Yang
Yan Liu

Hunan Univ.

2020-8-20 14:00 - 16:00
2020-8-20 14:00 - 16:00  ThC3.2
Analysis and Strategies of the Professional Development of Information Technology Teachers under the Vision of Artificial Intelligence, pp. 716-721.

Qingmin Wei                    Chongqing Normal Univ.
Mingyong Li                   Computer & Information Sci. Dept, Chongqing Normal Univ.
Kaiyue Xiang                  Computer & Information Sci. Dept, Chongqing Normal Univ.
Xue Qiu                        Chongqing Normal Univ.

2020-8-20 14:00 - 16:00  ThC3.3

Yang Liao                      Southeast Univ.
Jianzhong Hu                  Southeast Univ.

2020-8-20 14:00 - 16:00  ThC3.4
Educational Practice of Industry-Education Integration Software Engineering based on Huawei DevCloud, pp. 728-732.

Ruixin Ma                      Dalian Univ. of Tech.
Jingjing Li                  HUAWEI Tech. Co., Ltd
Lin Zhang                        Dalian Univ. of Tech.
Peng Xu                           Dalian Univ. of Tech.
Hongyan Zhang                  Dalian Univ. of Tech.

2020-8-20 14:00 - 16:00  ThC3.5
Enlightenment of Digital Technology on Stop Motion Animation Teaching, pp. 733-736.

Jiang Tao                      Dalian Ocean Univ.
Gao Zhuo                            Harbin Univ. of Sci. & Tech.

2020-8-20 14:00 - 16:00  ThC3.6
Experimental Teaching Reform to Embedded System Curriculum, pp. 737-742.

Xing Liu                          Wuhan Univ. of Tech.
Yaobang Zhao                   Wuhan Univ. of Tech.
Jingling Yuan                   Wuhan Univ. of Tech.
Wenbi Rao                          Wuhan Univ. of Tech.
Liping Lu                              Wuhan Univ. of Tech.
Fei Huang                           Yangtze Univ.

2020-8-20 14:00 - 16:00  ThC3.7
Exploration and Practice of the Teaching Pattern of Skill-oriented Courses in the Context of Online Home Schooling, pp. 743-747.

Jimei Li                        Beijing Language & Culture Univ.
Caixia Li                          Beijing Language & Culture Univ.
On the Modeling and Predication of Teaching Effectiveness with Machine Learning, pp. 748-753.

Kun Tian
Tianjin Normal Univ.
Wen Liu
Lamar Univ.
Ying He
Tianjin Normal Univ.
Ming Yang
Westfield State Univ.
Danhua Zhao
Tianjin Normal Univ.

Research and Development of Teaching System of 3D Cardiac Anatomy Based on Virtual Reality, pp. 754-759.

Shuang Li
Dalian Ocean Univ.
Ran Li
Dalian Ocean Univ.
Yan Lou
China Medical Univ.
Yingnan Yu
Dalian Ocean Univ.

Research on Teaching Methods and Tools of Software Testing, pp. 760-763.

Honghong Chen
Xihua Univ.
Xu Wang
Univ. of Electronic Sci. & Tech. of China
Liangguang Pan
Univ. of Electronic Sci. & Tech. of China

The Mechanism of Intelligent Technology Reforming Education Based on the Perspective of Embodied Cognitive Theory, pp. 764-769.

Weina Cheng
Central China Normal Univ.


Miao Yu
Beijing Language & Culture Univ.
Juan Xu
Beijing Language & Culture Univ.


Simin Zeng
Harbin Inst. of Tech. (Shenzhen)

Revealing and Resolving Disorientation In an Online Course Module of Java Programming, pp. 781-786.
Neelma Bhatti, Virginia Tech
Imdad Ali Ismaili, Univ. of Sindh
Lachhman Das Dhomeja, Univ. of Sindh
D. Scott McCrickard, Virginia Tech

An Analysis on the Effectiveness of Cooperation in A Soccer Team, pp. 787-794.

Tianshuo Ge, Xiamen Univ.
Zhengyu An, Xiamen Univ.
He Cai, Xiamen Univ.
Ying Wang, Xihua Univ.

Multi-record Matching Strategy in Assessment of Complex Information System Skills, pp. 795-800.

Jimei Li, Beijing Language & Culture Univ.
Ruohui Wang, Beijing Language & Culture Univ.

Research on Colorimetric Characterization of LCD Based on GA-Elman Neural Network, pp. 801-804.

Hongtai Guo, Beijing Inst. of Graphic Communication
Tong Li, Beijing Inst. of Graphic Communication
Zixuan Li, Beijing Inst. of Graphic Communication
Qi Zheng, Beijing Inst. of Graphic Communication
1550406602@qq.com

The Nature of Block Chain Intelligent Contract, pp. 805-810.

Wei Liu, Guangdong Univ. of Finance & Economics
Wang Lanjia, Guangdong Univ. of Finance & Economics

Prediction of Crime Hotspots Based on Spatial Factors of Random Forest, pp. 811-815.

Shuyu Yao, Hubei Univ. of Tech.
Ming Wei, Wuhan Fiberhome Technical ServicesCo.,Ltd/Fiberhome Telecommunication Technologies Co.,Ltd
Lingyu Yan, Hubei Univ. of Tech.
Chunzhi Wang, Hubei Univ. of Tech.
Xinhua Dong, Hubei Univ. of Tech.
Fangrui Liu, Hubei Univ. of Tech.

ThP1.8
The Optimization Countermeasures of Civil Case Management from the Perspective of Judicial Big Data, pp. 822-827.

Yuzhuo Zou
Guangdong Univ. of Finance & Economics

Xin Wang
Xiamen Intermediate People's Court

ThP1.9
Dynamic Facial Expression Recognition Model based on BiLSTM-Attention, pp. 828-832.

Lingyu Chen
Hubei Univ. of Tech.

Yong Ouyang
Hubei Univ. of Tech.

Yawen Zeng
Hubei Univ. of Tech.

Yuanhang Li
Hubei Univ. of Tech.

ThP1.10
Quantum Fourier Transform Simulation on Sunway TaihuLight, pp. 833-837.

Xiaonan Liu
Information Engineering Univ.

Lina Jing
Zhengzhou Univ.

Lixin Wang
Information Engineering Univ.

Meiling Wang
Information Engineering Univ.

ThP1.11
A Deep Learning-Oriented Personal Credit Model for Online Learning Platform, pp. 838-843.

Jialing Zhu
Nanjing Normal Univ.

Baozhu Fang
Nanjing Normal Univ.

Yurong Zou
Nanjing Normal Univ.

Ling Yu
Nanjing Normal Univ.
<table>
<thead>
<tr>
<th>Session Title</th>
<th>Session#</th>
<th>Chair</th>
<th>Chair’s Affiliation</th>
<th>Co-Chair</th>
<th>Co-Chair’s Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invited Session I</td>
<td>WeA1</td>
<td>Li Zheng</td>
<td>Tsinghua University</td>
<td>CHEN Yongqiang</td>
<td>Tsinghua University</td>
</tr>
<tr>
<td>Invited Session II</td>
<td>WeB1</td>
<td>Kohki NAKANE</td>
<td>University of Fukui</td>
<td>Carsten Lecon</td>
<td>University of Applied Sciences</td>
</tr>
<tr>
<td>Invited Session III</td>
<td>WeC1</td>
<td>Hong Zhao</td>
<td>Nankai University</td>
<td>Yun Guo</td>
<td>Nankai University</td>
</tr>
<tr>
<td>Educational Technology I</td>
<td>WeA2</td>
<td>Olanrewaju Tahir Aduragba</td>
<td>Durham University</td>
<td>Jialin Yu</td>
<td>Durham University</td>
</tr>
<tr>
<td>Computer Science I</td>
<td>WeB2</td>
<td>Caidan Zhao</td>
<td>Xiamen University</td>
<td>Lianfen Huang</td>
<td>Xiamen University</td>
</tr>
<tr>
<td>Educational Technology II</td>
<td>WeC2</td>
<td>Yuan Jiugen</td>
<td>Jiangxi Science and Technology Normal University</td>
<td>Xing Ruonan</td>
<td>Jiangxi Normal University</td>
</tr>
<tr>
<td>e-Society/smart-Society/Industrial Design</td>
<td>ThA1</td>
<td>Li Qin</td>
<td>Huazhong Agricultural University/Hubei Engineering Technology Research Center of Agricultural Big</td>
<td>Yongyi Zhang</td>
<td>Guangdong University of Finance and Economics</td>
</tr>
<tr>
<td>Computer Science II</td>
<td>ThB1</td>
<td>Chunzhi Wang</td>
<td>Hubei University of Technology</td>
<td>Cen Gang</td>
<td>Zhejiang University of Science and Technology</td>
</tr>
<tr>
<td>Educational Technology III</td>
<td>ThC1</td>
<td>Haoxiang Lang</td>
<td>Ontario Tech University</td>
<td>Huagang Zhou</td>
<td>Nanning University</td>
</tr>
<tr>
<td>Data Science I</td>
<td>ThA2</td>
<td>Jing Du</td>
<td>Tsinghua University</td>
<td>Jie Wang</td>
<td>Guangzhou University</td>
</tr>
<tr>
<td>Computer Science III</td>
<td>ThB2</td>
<td>Luona Song</td>
<td>Beijing University of Posts and Telecommunications</td>
<td>Sena Seneviratne</td>
<td>Sydney University</td>
</tr>
<tr>
<td>Educational Technology IV</td>
<td>ThC2</td>
<td>Zhiguo Shi</td>
<td>Zhejiang University/Alibaba-Zhejiang University Joint Research Institute of Frontier Technologies</td>
<td>Xiang Fang</td>
<td>Shandong Technology and Business University</td>
</tr>
<tr>
<td>Data Science II</td>
<td>ThA3</td>
<td>Jana Jost</td>
<td>Fraunhofer Institute for Material Flow and Logistics</td>
<td>Hao Wang</td>
<td>Hospitality Institute of Sanya</td>
</tr>
<tr>
<td>Computer Science IV</td>
<td>ThB3</td>
<td>Hexiang Tan</td>
<td>Nanjing University of Posts &amp; Telecommunications</td>
<td>Yongxin Xi</td>
<td>Zhejiang University</td>
</tr>
<tr>
<td>Educational Technology V</td>
<td>ThC3</td>
<td>Xing Liu</td>
<td>Wuhan University of Technology</td>
<td>Weina Cheng</td>
<td>Central China Normal University</td>
</tr>
<tr>
<td>Poster Session</td>
<td>ThP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>