2019 10th International Conference on Information Technology in Medicine and Education

ITME 2019

Conference Program

Qingdao University International Hotel

August 23-25, 2019, Qingdao, Shandong, China

Technically Co-Sponsored by

IEEE Computer Society, USA

Sponsored by

Shandong Normal University, China

Qingdao University

University of Texas at San Antonio (UTSA), USA

Xiamen University, China

Zhejiang University, China

Swinburne University of Technology, Australia

Fujian University of Traditional Chinese Medicine, China

Fuzhou University, China

Iwate Prefectural University, Japan

China Jiliang University, China

Hunan University of Humanities, Science and Technology, China

Co-Sponsored by

Lanzhou University, China

Henan University of Technology, China

Wuhan University of Technology, China

East China Normal University, China

Birmingham City University, UK

University of Southern Queensland, Australia

Message from the ITME 2019 General Chairs

ITME 2019 is the 10th International Conference on Information Technology in Medicine and Education. This conference will be taken place on August 23-25, 2019, in Qingdao, Shandong, China. The aim of the ITME 2019 is to provide an international conference for scientific research on IT in Medicine and Education. It was Technically Co-Sponsored by IEEE Computer Society, and Sponsored by Shandong Normal University, Qingdao University, University of Texas at San Antonio (UTSA), Xiamen University, Zhejiang University, Swinburne University of Technology, Fujian University of Traditional Chinese Medicine, Fuzhou University, Iwate Prefectural University, China Jiliang University, Hunan University of Humanities, Science and Technology.

ITME 2019 is the next event in a series of highly successful the International conference on IT in Medicine and Education, ITME-18 (Hangzhou, China, Oct, 2018) ITME-16 (Fuzhou, China, Dec, 2016) ITME-15 (Huangshan, China, Nov. 2015), ITME-14 (Jeju, Korea, July 2014), ITME-13 (Xining, China, July 2013), ITME-12 (Hokkaido, Japan, Aug. 2012), ITME-11 (Guangzhou, China, Dec. 2011), ITME-09 (Jinan, China, Aug. 2009), ITME-08 (Xiamen, China, Dec. 2008).

We would like to express our special thanks go to the Program Chairs: Shaozi Li (Xiamen University, China), Zhenkuan Pan (Qingdao University, China), Ying Dai (Iwate Prefectural University, Japan), Xiangwei Zheng (Shandong Normal University, China), Huijuan Lu (China Jiliang University, China) , all program committee members and all the additional reviewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of the selected papers for the conference.

We cordially thank all the authors for their valuable contributions and the other participants of this conference. The conference would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

July 10, 2019

Peiyong Duan, Shandong Normal University, China
Fengjing Shao, Qingdao University, China
Laurence T. Yang, St. Francis Xavier University, Canada
ITME 2019 General Chairs

Message from the ITME 2019 Program Chairs

Welcome to the 10th International Conference on Information Technology in Medicine and Education (ITME 2019), which will be held on August 23-25, 2019, in Qingdao, Shandong, China. ITME 2019 will be the most comprehensive conference focused on the IT in Medicine and Education. ITME 2019 will provide an opportunity for academic and industry professionals to discuss recent progress in the area of Medicine and Education. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications on IT in Medicine and Education. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in these important subjects.

For ITME 2019, we received many paper submissions, after a rigorous peer review process, only very outstanding paper can be accepted for the ITME 2019 proceedings, published by the IEEE Conference Publishing Services. All submitted papers have undergone blind reviews by at least two reviewers from the technical program committee, which consists of leading researchers around the globe. Without their hard work, achieving such a high-quality proceeding would not have been possible. We take this opportunity to thank them for their great support and cooperation. We also would like to thank all of you for your participation in our conference, and also thank all the authors, reviewers, and organizing committee members.

Thank you and enjoy the conference!

July 10, 2019

Shaozi Li, Xiamen University, China
Zhenkuan Pan, Qingdao University, China
Ying Dai, Iwate Prefectural University, Japan
Xiangwei Zheng, Shandong Normal University, China
Huijuan Lu, China Jiliang University, China
ITME 2019 Program Chairs

Committees

ITME 2019 Conference Organization

Honorary Chairs

Guangnan Ni, Institute of computing technology of the Chinese Academy of Sciences, China

Jie Wu, Temple University, USA

General Chairs

Peiyong Duan, Shandong Normal University, China

Fengjing Shao, Qingdao University, China

Laurence T. Yang, St. Francis Xavier University, Canada

General Co-Chairs

Qun Jin, Waseda University, Japan

Hong Liu, Shandong Normal University, China

Yuanqiang Lu, Zhejiang University, China

Program Committee Chairs

Shaozi Li, Xiamen University, China

Zhenkuan Pan, Qingdao University

Ying Dai, Iwate Prefectural University, Japan

Xiangwei Zheng, Shandong Normal University, China

Huijuan Lu, China Jiliang University, China

Organizing Committee Chairs

Yuanjie Zheng, Shandong Normal University, China

Jianbo Li, Qiangdao University, China

Ning Jin, China Jiliang University, China

Zhigang Gao, Hangzhou Dianzi University, China

Publication Chairs

Shaozi Li, Xiamen University, China

Yun Cheng, Hunan University of Humanities, Science and Technology, China

Publicity Chairs

Neil Y. Yen, University of Aizu, Japan

Ruiyu Li, Second Affiliated Hospital of Xingtai Medical College, China

Kiss Gabor,Obuda University, Hungary

Financial Chair

Zhiming Luo, Xiamen University, China

Advisory Chairs

Candong Li, Fujian University of Traditional Chinese Medicine, China

Xiaohong Jiang, Future University Hakodate, Japan

Ramana Reddy, West Virginia University, USA

Laurence T. Yang, St. Francis Xavier University, Canada

Jianming Yong, University of Southern Queensland, Australia

Jinjun Chen, Swinburne University of Technology, Melbourne, Australia

Guilin Chen, Chuzhou University, China

Huijuan Lu, China Jiliang University, China

Mingyi Wang, National Institutes of Health (NIH), USA

Leo Hitchcock, Auckland University of Technology, New Zealand

Program Committee

Ahmed Meddahi, Institute Mines-Telecom/TELECOM Lille1, France
Ahmed Shawish, Ain Shams University, Egypt
Alexander Pasko, Bournemouth University, UK
Angela Guercio, Kent State University
Bob Apduhan, Kyushu Sangyo University, Japan
Cai Guorong, Jimei University, China
Cao Donglin, Xiamen University, China
Changqin HUANG, Southern China Normal University, China
Chaozhen GUO, Fuzhou University, China
Chensheng WANG, Beijing University of Posts and Telecommunications, China
Chuanqun JIANG, Shanghai Second Polytechnic University, China
Cui Lizhen, Shandong University, China
Cuixia MA, Institute of Software Chinese Academy of Sciences, China
Feng LI, Jiangsu University, China
Fuhua Oscar Lin, Athabasca University, Canada
Guanglei, Oklahoma State University, USA
Hiroyuki Mituhara, Tokushima University, Japan
Hongji Yang, De Montfort University, UK
Hsin-Chang Yang, National University of Kaohsiung, Taiwan
I-Hsien Ting,National University of Kaohsiung, Taiwan
Imran Memon, Zhejiang University, China
Jens Herder, University of Applied Sciences, Germany
Jian Chen, Waseda University, Japan
Jianhua ZHAO, Southern China Normal University, China
Jianming Yong, University of Southern Queensland, Australia
Jiehan Zhou, University of Oulu, Finland
Jungang HAN, Xi'an University of Posts and Telecommunications, China
Junqing YU, Huazhong University of Science and Technology, China
Kamen Kanev, Shizuoka University, Japan
Ke Liao, Kansas University Medical Center, Kansas City, KS, USA
Kiss Gabor, Obuda University, Hungary
Lei YU, The PLA Information Engineering University, China
Li Xueqing, Shandong University, China
Luhong DIAO, Beijing University of Technology, China
Masaaki Shirase, Future University Hakodate, Japan
Masashi Toda, Future University, Japan
Mohamed Mostafa Zayed, Taibah University, KSA
Mohammad Tariqul Islam, Multimedia University, Malaysia
Mohd Nazri Ismail, Universiti Kuala Lumpur, Malaysia
Neil Y. Yen, University of Aizu, Japan
Osamu Takahashi, Future University Hakodate, Japan
Paolo Maresca, University Federico II, Italy
Pierpaolo Di Bitonto, Univ. of Bari, Italy
Ping Jiang, University of Hull, UK
Qiang GAO, Beihang University, China
Qianping WANG, China University of Mining and Technology, China

Cyber-Physical-Social Systems: System Design and Data Analytics

Laurence T. Yang
Department of Computer Science
St Francis Xavier University, Canada

Abstract:
The CPSS (Cyber-Physical-Social Systems), the integration of computation, communication and control with the physical world, human knowledge and sociocultural elements, is a novel emerging computing paradigm and has attracted wide concerns from both industry and academia in recent years. Currently, CPSS are still in their infancy stage. Our first ongoing research is to study effective and efficient approaches for CPSS modeling and general system design automation methods, as well as methods analyzing and/or improving their power and energy, security, trust and reliability features.

Once the CPSS have been designed, they collect massive data (Volume) from the physical world by various physical perception devices (Variety) in structured/semi-structured/unstructured format and respond the users' requirements immediately (Velocity) and provide the proactive services (Veracity) for them in physical space or social space. These collected big data are normally high dimensional, redundant and noisy, and many beyond the processing capacity of the computer systems. Our second ongoing research is focused on the Data-as-a-Service framework, which includes data representation, dimensionality reduction, incremental and distributed processing (securely on cloud), deep learning, clustering, prediction and proactive services, aiming at representing and processing big data generated from CPSS, providing more valued smart services for human and refining the previously designed CPSS.

This talk will present our latest research on these two directions. Corresponding case studies in some applications such as smart home and traffics will be shown to demonstrate the feasibility and flexibility of the proposed system design methodology and analytic framework.

Short Bio

Laurence T. Yang got his BE in Computer Science and Technology and BSc in Applied Physics both from Tsinghua University, China and Ph.D in Computer Science from University of Victoria, Canada. He is a professor and W.F. James Research Chair at St. Francis Xavier University, Canada. His research includes parallel and distributed computing, embedded and ubiquitous/pervasive computing, and big data. He has published around 400 international journal papers in the above areas, of which half on top IEEE/ACM Transactions and Journals, others mainly on Elsevier, Springer and Wiley Journals. In recent several years, 4 and 23 papers have been listed as top 0.1% and top 1% highly-cited ESI papers, respectively.

He has been involved actively act as a steering chair for 6+ IEEE international conferences. He served as the vice-chair of IEEE CS Technical Committee of Supercomputing Applications (2001-2004), the chair of IEEE CS Technical Committee of Scalable Computing (2008-2011). He

was the vice-chair (2014) and the chair (2015) of IEEE Canada Atlantic Section. Now he is the chair of IEEE CS Technical Committee of Scalable Computing (2018-), the co-chair of IEEE SMC Technical Committee on Cybermatics (2016-) and the vice-chair of IEEE CIS Technical Committee on Smart World (2016-2018).

In addition, he was the editors-in-chief of several international journals. Now he is serving as an editor for many international journals (such as IEEE Systems Journal, IEEE Access, Future Generation of Computer Systems (Elsevier), Information Sciences (Elsevier), Information Fusion (Elsevier), Big Data Research (Elsevier), etc). He has been acting as an author/co-author or an editor/co-editor of more than 25 books from well-known publishers. He has been invited to give around 40 keynote talks at various international conferences and symposia.

His recent honours and awards include Fellow of Engineering Institute of Canada (2019), AMiner Most Influential Scholar Award for Internet of Things (2018), IEEE TCCPS Distinguished Leadership Award on Cyber-Physical Systems (2018), IEEE SCSTC Life-Career Achievement Award on Smart Computing (2018), Fellow of Canadian Academy of Engineering (2017), IEEE System Journal Best Paper Award (2017), IEEE TCSC Award for Excellence in Scalable Computing (2017), and the PROSE Award on Engineering and Technology (2010).

Personal Analytics and Individual Modeling for Smart Health Enabled by Cyber Technology Convergence

Qun Jin
Professor and Dean of Graduate School of Human Sciences, Waseda University, Japan

Abstract:
In recent years, convergence of emerging cyber technologies, such as big data, Internet of Things (IoT), and artificial intelligence (AI), which is highly expected to enable and drive innovative solutions and applications, has gained increasing worldwide attention. In this talk, after briefly introducing cyber technology convergence in national strategies, such as Industry 4.0 in German, and Society 5.0 in Japan, our vision and work on personal analytics and individual modeling based on big data will be addressed and explained. Furthermore, promising solution and application of IoT-empowered and AI-enhanced smart services in healthcare to improve quality of life (QoL) and promote well-being for all of the people will be described and discussed.

Short Bio

Qun Jin is a Professor at the Networked Information Systems Laboratory, Department of Human Informatics and Cognitive Sciences, Faculty of Human Sciences, Waseda University, Japan. He is currently the Dean of Graduate School of Human Sciences. He has been extensively engaged in research works in the fields of computer science, information systems, and social and human informatics. His recent research interests cover human-centric ubiquitous computing, behavior and cognitive informatics, big data, personal analytics and individual modeling, intelligence computing, blockchain, cyber security, technology convergence, cyber-enabled applications in healthcare, and computing for well-being. He served as a Guest Editor in recent years for IEEE Transactions on Industrial Informatics (2019), IEEE/ACM Transactions on Computational Biology and Bioinformatics (2018), IEEE Transactions on Computational Social Systems (2018), IEEE Transactions on Emerging Topics in Computing (2017), IEEE MultiMedia (2017), and etc. He is a senior member of Association of Computing Machinery (ACM), Institute of Electrical and Electronics Engineers (IEEE), and Information Processing Society of Japan (IPSJ).

Differential Privacy for Smart Metering

Professor Jinjun Chen
Deputy Director, Swinburne Data Science Research Institute
Swinburne University of Technology, Australia

Abstract

Smart Meters continuously report user data to data centres. By analyzing the data collected, we can reason out user privacy such as living style and utility usage patterns. How to protect user privacy in smart metering system comes to the picture and calls for effective solutions. Especially, we need to consider data utility when preserving user privacy. In this talk, we will present an approach based differential privacy to address this challenge.

Short Bio

Dr Jinjun Chen is a Professor from Swinburne University of Technology, Australia. He is Deputy Director of Swinburne Data Science Research Institute. He holds a PhD in Information Technology from Swinburne University of Technology, Australia. His research interests include data privacy and security, cloud computing, data systems and related various research topics. His research results have been published in more than 160 papers in international journals and conferences, including various IEEE/ACM Transactions. He received various awards such as UTS Vice-Chancellor's Awards for Research Excellence Highly Commended (2014), UTS Vice-Chancellor's Awards for Research Excellence Finalist (2013), Swinburne Vice-Chancellor's Research Award (ECR) (2008), IEEE Computer Society Outstanding Leadership Award (2008-2009) and (2010-2011). He is an Associate Editor for ACM Computing Surveys, IEEE Transactions on Knowledge and Data Engineering as well as other journals such as Journal of Computer and System Sciences.

Conference Schedule

Date	Time	Qingdao University Hotel 求实厅	Qingdao University Hotel 青岛大学学术交流中心大厅
2019-08-23	09:00-18:00		Registration
2019-08-24	08:40-18:00		Registration
	09:00-09:25	Opening Remarks	
	09:25-10:10	Keynote by Laurence T. Yang	
	10:10-10:30	Coffee break	
	10:30-11:15	Keynote by Qun Jin	
	11:15-12:00	Keynote by Jinjun Chen	
	12:00-13:00	Lunch	
	13:40-15:20	Oral Session A1	
	15:20-15:40	Coffee break	
	15:40-17:20	Oral Session C1	
	18:00-19:30	Banquet	
2019-08-25	09:00-17:00		Registration
	09:00-10:20	Oral Session B1	
	10:20-10:40	Coffee break	
	10:40-12:00	Oral Session B2	
	12:00-13:00	Lunch	
	14:00-16:00	Visit Qingdao University and participate other academic activities	

Instructions for Presentations

Oral Presentation

Devices Provided by the Conference:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively): 20 minutes

Regular Oral Session: about 15 Minutes of Presentation, 5 Minutes of Q&A

Keynote Speech: 40 Minutes of Presentation, 5 Minutes of Q&A

Poster Session

Poster Session at inside of Qiushi Hall. The time at August 24-25, 2019

Devices Provided by the Conference:

Space and nails

Materials Provided by the Presenters:

90cm×60cm poster

August 23, 2019
Registration 09:00-18:00

August 24, 2019
09:00—09:25 Opening Remarks and Take Photos

09:25-10:10 Keynote 1
Cyber-Physical-Social Systems: System Design and Data Analytics (Laurence T. Yang)

10:10-10:30 Coffee break

10:30-11:15 Keynote 2
Personal Analytics and Individual Modeling for Smart Health Enabled by Cyber Technology Convergence (Qun Jin)

11:15-12:00 Keynote 3
Differential Privacy for Smart Metering (Jinjun Chen)

12:00-13:00 Lunch

13:40-15:20 Oral Session A1
Session Chair: Jianguo Chen, China Jiliang University

12314	Clinical evaluation method for medical devices based on Multi-objective	Liu Hao, Tian Guo-Ying, Shang Zhao-Xia
12363	SWOT Analysis of Health Management Development in the Context of Big Data	Xinyuan LI, Huimin SONG, Zenpeng CHEN, Kesui DENG
12438	Color space volume and superpixel based leukocyte image segmentation	Xiaogen Zhou, Zuoyong Li, Chuansheng Wang
12455	Pulmonary Nodule Segmentation in Computed Tomography with an Encoder-Decoder Architecture	Sihang Chen, Yifan Wang
12509	Improved Mask R-CNN for Lung Nodule Segmentation	Yan Huanlan, Lu Huijuan, Ye Minchao, Yan Ke, Xu Yige, Jin Qun

15:20-15:40 Coffee break

15:40-17:20 Oral Session C1
Session Chair: Jianguo Chen, China Jiliang University

12477	An Acute Kidney Injury Prediction Model Based on Ensemble Learning Algorithm	Yuan Wang, Yake Wei, Qin Wu, Hao Yang, Jingwei Li
12505	Scoring Mechanism of Defect Report Based on Text Similarity	Min Zhu, Junmei Sun, Xiumei Li, Lei Xiao
12518	Breast Cancer Histopathological Image Classification using Deep Learning	Zou Wenkai, Lu Huijuan, Yan Ke, Ye Minchao
12312	Tissue-like P system with mutational symport/antiport rules and trigger mechanism	Xiao Sang, Xiyu Liu

12493	Research and Practice of "Internet + Teaching" Mode for Cyberkids	Shang Ying,Jiawei Wu, Ruilian Zhao, Zheng Li

18:00-19:30 Banquet

August 25, 2019
09:00-10:20 Oral Session B1
Session Chair: Yun Cheng, Hunan University of Humanities, Science and Technology

12412	Design and implementation of an English pronunciation scoring system for pupils based on DNN-HMM	Hongyang Wan, Jie Xu, Hai Ge, and Yufeng Wang
12422	Research and Implementation of Teaching System for Higher Vocational Specialty Courses Based on Hybrid Teaching Mode	Penglong Zhang, Yongsheng Zhang Shaojun Fan, Xiaoxiang Huang, Jie Zhang
12434	Research on Education Resource Recommendation Algorithm Based on Implicit Feedback and Pairwise	Xiaoxiang Huang, Yongsheng Zhang , Zhihua Zheng , Jie Zhang, Jiaxi Duan
12486	Mooc Bandwidth Allocation Optimization Strategy	Renfeng Wang, Huijuan Lu*, Jingren Wang, Qichao Xu

10:20-10:40 Coffee break

10:40-12:00 Oral Session B2
Session Chair: Yun Cheng, Hunan University of Humanities, Science and Technology

12501	Applying Learning Analytics to Assess Learning Effect by Using Mobile learning support system in U-learning Environment	Jun Xiao, Xuejiao Li, Lamei Wang
12506	Target classification system based on target detection for students' classroom assess-ment	Yige Xu, Hao Teng, Chenxi Ji, Minchao Ye, Huijuan Lu
12519	Preliminary study on pre-clinical probation program for oral medical students under the guidance of the team of Supervisor Group in the new era	Junjie Wang, Yuqing Guo, Ruihong Fan, Majedh Abdo Ali Al-somairi, Wenjing Yuan, Pingchuan Qin, Xiaoli An
12527	Exploration on Curriculum Teaching Based on OBE and AI	Jianguo Chen; Huijuan Lu; Hangxia Zhou; Yongxia Zhou

12:00-13:00 Lunch

14:00-16:00 Visit Qingdao University and participate other academic activities

Poster Session

August 24, 2019 (13:20-17:20) IT in Medicine	
99mTc-MIBI positive of cervical ectopic thymoma case report and literature review	Wang Haitao, Wang Peisong, Jin Meishan, Zhao Hongguang, Wang Guimin*
A novel method of detecting microangioma in retinal image based on visual characteristics	Cao Xinrong; Lin Hongkai; Kang Hongliang
A Sensor Data Processing and Storage Method for Wireless Body Area Networks	Lu Han, Lulu Xun, Jinfa Liu, Wenjun Yin, Xiangwei Zheng*, Zhuoran Zheng*
Alzheimer's disease diagnosis model based on three-dimensional full convolutional DenseNet	Guangyu He, An Ping, Xi Wang, Yufei Zhu
Analysis of causes and treatment strategies for false positive and false negative of 99mTc-MIBI SPECT :Experience sharing and Literature review	Weiyun Pan, Zhi Lv, Qun Li, Peisong Wang, Guang Chen
Anti-synthetase syndrome with interstitial pneumonia as the first manifestation	Gang Wang, Peisong Wang, Na Wei, Xiaojuan Zou
Application of Digital Mining Technology in the Treatment of Depressive Symptoms in Patients with Post-stroke Depression	Yan Yang, Zhifang He, Hai Yang
Automatic conversion of electronic medical record text for OpenEHR based on Semantic Analysis	Xinyu Jin, Yishun Zhu, Lanjuan Li*
Auxiliary diagnostic model of Atrial Fibrillation based on decision tree	Min Zhang, Huiying Yang
Big data analysis of differentially expressed mRNA in acute lymphoblastic leukemia patients with different genders	Jianzhi Deng, Yuehan Zhou
BioBERT based named entity recognition in electronic medical record	Xin Yu, Wenshen Hu, Sha Lu, Xiaoyan Sun, Zhenming Yuan*
Breast Cancer Histopathological Image Classification using Deep Learning	Zou Wenkai, Lu Huijuan, Yan Ke, Ye Minchao
Cardiac ectopic thyroid a case report and literature review	Na Wei, Qun Li, Zhi Lv, Peisong Wang, Guang Chen
Clinical effect observation of new transvaginal pelvic organ prolapse operation	Zhilei Zhao, Chen Xiu, Juan Li, Ruiyu Li*
Clinical Study on Neck Pain of Cervical Spondylosis Treated with Different Doses of Jing Moxibustion	Rui Ma*, Ding Luo, Yue Liu, Lu Lu, Shujun Xu, Qian Wu, Yefei Huang, Wenbin Fu
Clinical study on vocal nodule and vocal polyp treated by traditional Chinese medicine compound	Ruiyu Li, Yue Li
Cognition of Food Toxicology course in a traditional Chinese medicine university	ZHANG Zhigang, QI Baoning, ZHOU Jing, XU Shouzhu, Shi Chuandao, LI Juan, LIU Longzhu
Computer Assisted Regularity Analysis the Law on Medication of Treating Qi Deficiency Type Coronary Heart Disease by Distinguished Veteran Traditional Chinese Medicine Doctors	Wen-xia Bi, Shou-qiang Chen*； Liang Xu
CT Images Recognition of Pulmonary Tuberculosis Based on Improved Faster RCNN and U-Net	An Yang, Xinyu Jin, Lanjuan Li*

Data mining in Cognitive function training of depression patients applications	Fei Li, Yajing Ding
Deep Learning from Small Dataset for BI-RADS Density Classification of Mammography Images	Peng Shi*, Chongshu Wu, Jing Zhong, Hui Wang
Design and Implementation of a Novel R-peak Detection Algorithm	Jieru Ma, Xin'an Wang*, Xiaochun Wu, Tianxia Zhao, Qiuping Li
Design and Implementation of a Visual Assessment System for Biological Hazards Based on Baidu Maps	Wang Zhen , Li Ya-pin , Chen Han , Lan Fei , Li Zhi-gang, Xu Xiao-chen
Discussion on the application of RFID technology in medical waste management	Shuwen Sun, Jiamei Hu, YuHao Cao, Wei Zhou
Emerging research trends and development of alcoholic liver disease based on bibliometrics and visualizaed analysis	Xinyue Hao, Dongxue Zhang, Zhihui Huang
Evaluation model of acute mountain sickness based on item response theory	Zengfang Liu, Xingjia Wei, Fangfang Liu, Dianjun Lu*
High FAM83A expression is a novel prognostic indicator of poor overall survival in lung adenocarcinoma	Longxiang Xie, Yongqiang Li, Yifang Dang, Chuanlong Cui, Xiaoyu Chao, Ying Guo, Xiangqian Guo ✶
Jingshu Keli in Treatment of Cervical Spondylotic Radiculopathy (CSR): A Systematic Review and Meta-analysis	Shuan Wu, Xinxin Yun, Jianzhou Xie, Bing Xie
Progress in diagnosis and treatment of parathyroid carcinoma (a literature review)	Na Li, Qun Li, Zhi Lv, Peisong Wang*, Guang Chen
Prototype Implementation of Traditional Chinese Medicine Quality Traceability System based on Two-Dimensional Barcode	CAI Yong, Li Xi-Wen, CHEN Hai, LIU Jia-Rong*
Query Reconstruction in Medical Case Description Using Query Performance Predictors	Yao Yao, Mingming Lu, Yu Fang
Research on correlation between serum IGF-1,TNF-a and atherosclerosis in Patients with diabetes	Hui Li, Cong Li, Chenyu Zhang, Lin Li, XunXun Xu, ShuShen Zheng*
Research on effect of domestic dioscorea pills on body immunity over the last ten years	Chenyu Zhang, Su Xie *, Hui Li, Huiting Guan, Yaqing Hu, Manjing Zhu, Ruiyu Li *
Research on residents' satisfaction with family Physician Contacted Service in Xi'an Shan'an xi Province	Jiao Tan;Yong-hong Ma*; Ke Men; Ming-juan Shi; Jing Lei
Simulation and Verification for Ion Channel Noises in Neuronal Cells	Jie He, Meixun Qu, Liusheng Huang
Study of "Water of Life" on Repair of Human Umbilical Cord Mesenchymal Stem Cells	Siyuan Wu, Xinwei Wang, Xirui Chen, Le Yang, Yingshu Huang, Linze Wu
Study on Classification Model of Traditional Chinese Medicine Syndrome Types of Stroke Patients in Convalescent Stage Based on Support Vector Machine	Dongxue Zhang, Zhichao Gan, Zhihui Huang*
Study on intervention of depression patients based on TCM health management platform	Xue GONG, Shou-qiang CHEN*
Study on Knowledge Map of Ancient Prescription Books of TCM	Ruifan Lin, Bin Wang, Ninan Zhang, Hongwei Zhou, Xinyu Cao, Qi Xie
Study on the influencing factors of quality of life in postoperative patients with breast cancer	Mu Ke

Teaching Reform of Virtual Simulation training in Parodontology	Li Yang, Qingzong Si*, Bin Liu*
The Application of SPOC-based Deep Learning Model in Psychological Health Education of College Students in Post-MOOC Era	YANG He-chen, WU Han-bin*
The Study of Functional Magnetic Resonance for Chronic Low Back Pain	Jiayou Zhao, Zhennan Wu, Zhiyong Fan, Shuhua Lai, Shan Wu*
The Study on the Relationship among Parenting Style, Negative Perfectionism and Academic Burnout of College Students	Ding Xingyu, Zhong Zhibing*, Guo Ge
Virtual Reality Therapy and Machine Learning Techniques in Drug Addiction Treatment	Yue Yuan, Jing Huang, Ke Yan
August 25, 2019 (9:00-12:00) **IT in Education**	
A Model for Analyzing Students' Mastery of Knowledge Points	Xiao Wang, Zengzhen Shao*
A Task-oriented English Education Platform Powered by ICT&AI	Yuqi Liu, Jing Zhao
A Training System of Graduate Internationalization Based on CDIO	LIU Bin, HUANG Wei-hua, MA Ya-jie
An Allocation Scheme of Students Based on IPM under the Nearby Enrollment Policy	Jiang Yan, Li Bo, Zhao Rulan
An auxiliary scheme for automatic marking of Chinese reading comprehension	Caiyu Wang, Hong Wang*
Analysis and Inspiration of Current Situation of Innovative Maker Education in Secondary Vocational Schools in the Internet + Era	Xinyu Tang, Ran Lu*, Bin Yu, Min Pan
Analysis of College Students' Mobile Phone Dependence and Influencing Factors	Yong-hong Ma; Di Ma; Jiao Tan; Ke Men;Ming-juan Shi; Jing Lei
Analysis of factors affecting attraction of Medical Teaching content based on WeChat platform	Changyong Yang, Huijie Zhao
Analysis of the Curriculum Reform Method Based on the Combination of Computational Thinking and Engineering Thinking	Feng Wang, Hong Wang*
Application Method of Clinical Microbiology Testing Teaching Reform in the Age of "Internet +"	Yihan Wang, Di Yin, Yidan Wang, Yuwen Huang, LiyuanSunder, Limei Liu*
Application of Microlectures based on WeChat in Rehabilitation Nursing Teaching	Huijie Zhao, Changyong Yang*
Building Smart Classroom of Combinatorial Mathematics Based on PBL Teaching Model	Benchao Yang, Guang Zeng, Gang Yu
Collaborative Learning of Hybrid Programming Based on Multi-platforms	Xiumin Wang, Liang Shan, Binggang Xiao, Bo Hong, Jun Li
Comprehensive Practice Course Construction of Internet of Things Technology	Feng Yang, Daojun Liang, Linbo Zhai
Computational Thinking & Practical Thinking Inspired Java Web Curriculum Reform Method	Fengping Yu, Hong Wang*

Construction of Curriculum System for Automation Based on Complicated Project Problems	ZHANG Zheng, HUANG Wei-hua, LIU Bin
Cooperative Education in Construction of Computer Experiment-teaching Demonstration Center	Liu Xing, Hu Wei
Countermeasures for the Development of College Physical Education at the Age of Internet+ Education	Qilin Hu, Li Chen*
Course Knowledge Graph Review	Pu Haitao, Zhang Guodong, Ren Guoqiang, Fan Mingqu
Current Situation Analysis and Development Strategy Research on Educational Live Broadcasting Technology Based on SWOT Theory in Post-Mooc Era	Wang Fei, Wu Han-bin*
Design and Implementation of a Smart Learning System for Agriculture Education based on Scientific Inquiry	Zhiwen Fu, Chaobo He *
Design and Implementation of Personalized Teaching System for Online Learning	Qi Chen, Xiaomei Yu*, Qian Chu, Shuang Ma
Design of the Intelligent Internship Management Platform for Vocational Colleges	Penghong Zhou, Bo Li
Development of mobile learning system based on WeChat public platform	Chaobo He, Zhiwen Fu, *, Hai Liu, Gai Li
Differences of Marc Metadata in Digital Library for Mainland, Taiwan, Hong Kong and Macao	Xu Jianzhen, Ouyang Ning
Domain Knowledge Model Construction for Interdisciplinary	YAZI WANG, JINJIAO LIN, CHUNFANG LIU
Evaluation and Study for Autonomous learning Ability Based on Factor Analysis Method	JiSheng He, JiaMing Zhong*
Exploration and Practice of the Experiment Teaching of Web Application Security Course	CHEN Ping, ZHAO Min, WANG Jinshuang, YU Han
Flipped Classroom Teaching Practice of Compiler Principles Based on MOOC	Xinxin Liu
Hotspots Analysis and Its Applications in Vocational Education with CiteSpace	Shuang Ma1, Xiaomei Yu*, Qi Chen
Imaging and Clinical Features of Intrahepatic Biliary Cystadenocarcinoma	Zong-ying WANG, Feng-zhi LI, Qi-chao CHENG, Fei-Li, Chang-sheng, CHEN*, Xi-zhen WANG*
Information System of Undergraduate Training Program for Engineering Education Accreditation	Xinqin GAO, Xueping WANG
Interest Preference Information Mining for Online Learning	Yongqiang Song, Hong Wang*, Qian Chu
Investigation and research on vacational education teachers' competencies based on smart learning environment	Guiying Guo, Baishuang Qiu
Learning Behavior Analysis and Dropout Rate Prediction Based on MOOCs Data	Lutong Wang, Hong Wang
Monitoring Function Design of Radio Monitoring Management System Based on C/S Architecture	Lin Zhong

Quality Evaluation System of Full-time Professional Degree Graduate Education	HUANG Wei-hua, LIU Bin, MA Ya-jie
Research on Adaptive Learning System Based on Three Core Modules	Lili Zhao, Hong Wang*
Research on College Teachers Teaching Ability Evaluation Model Based on DHNN	Yongsheng Zhang, Jie Zhang*, Yu Wei, Zhihua Zheng, Shaojun Fan
Research on Experimental Teaching Reform of Network Program Curriculum System	Weihua Yuan, Zhijun Zhang*, Xiumei Zhao, Song Qin
Research on Logistics Site-Selection Algorithms Based on EXCEL Computing Model	Lin Zhong, Ling He
Research on new teaching platform under the background of “Internet +”	Xi Xu, Guohua Zhan, Zhihua Li
Research on Teaching Evaluation Model Based on Weighted Naive Bayes	HU Yan-xue, HUAI Li-bo, CUI Rong-yi
Research on teaching presence evaluation indexes of online course	Wenyu Zhang, Weiwei Chen, Honghua Zhao, Rui Wang
Research on Teaching Process Management and Quality Monitoring System for Higher Education	Liu Zheng, Gao Shanshan, Yuan Shaojing
Research on the Application of Maker Education in Secondary Vocational Schools	Min Pan, Ran Lu*, Xinyu Tang
Research on the Application of Students’ Answered Record Analyze Model and Question Automatic Classify Based on K-Means Clustering Algorithm	Hongxu Sun, Zengzhen Shao*
Research on the Co-construction and Sharing of Teaching Resources under the "Internet plus" Environment	Yinqiang Feng, Guohua Zhan, Zhihua Li
Research on The Current Situation of The Curriculum Design of Internet of Things Specialty in China	Feng Yang, Depeng Zhang, Linbo Zhai
Research on the Hierarchical and E-learning Teaching for Composition Principle of Computer Course	Jing Bai, Yuang Zhang
Research on the Individualized and Differentiated Education Strategies of Left-behind Children Based on the Five-pattern Personality Test of Traditional Chinese Medicine	WU Hanbin, GAO Hong
Research on the Management of Live Classroom in Colleges and Universities Based on the Theory of Contingency	Fan Zhonghe, Pu Haitao, Ren Guoqiang, Zhang Yan
Research on the Mixed Teaching Mode of Emergency Medicine Based on Blackboard Network Teaching Platform	Yuwen Huang, Hancheng Yang, Di Yin, Yidan Wang, Yihan Wang, Liyuan Sun, Limei Liu*
Research on the Satisfaction of College Students' Payment Online Education Based on IPA and KANO Model	Qiyun Zhou, Jianpeng Wu
Study on MOOC withdrawal rate based on Graph Community Detection model	Qian Wang, Hong Wang
Study on the Group Cohesion Force in Collaborative Knowledge Building Activity	Tong Hui

Study on The Growth of Collaborative Knowledge Building Community Supported by BLEs	Tong Hui
Talking about the Application of Information Technology in College Aerobics Teaching	Li Chen, Ji Wang*
Teaching Practice and Thinking of Programming Courses	Tang yanqin, Chen Weiwei, Li Zhigang, Pan Zhisong
The relationship between subjective well-being and academic achievement of primary and middle school students	Li Juan, Wang Ting*
The Study on Students' Participation in Personalized Learning under the Background of Artificial Intelligence	Chang Junming, Xu Lu
August 25, 2019 (13:20-17:20) **Big Data, Artificial Intelligence and It's Application**	
A Detection Method for Tomato Fruit Common Physiological Diseases Based on YOLOv2	Jiayue Zhao, Jianhua Qu*
A Dynamic Key Generation Scheme Based on CAN Bus	Qi Pan, Jin Tan
A Fault Analysis and Prediction of Aircraft Based on Association Rules and Weibull Distribution	Yawei Ren, Li Liu, Zhenhua Wang, Xiuxiu Chen, Sen Liu
A method for fault detection of micro-motors based on wavelet packet energy spectra	Wenming Hu, Yun Cheng*
A method of extracting metadata information in digital books	Shan Qiu, Taoyun Zhou
A method to locate and recognize LCD display screen using FCN	Ruiqi Yang, Xinyu Jin, Lanjuan Li*
A Multi-population genetic algorithm based on dynamic P system for solving constrained optimization problems	Xiao Yang, Laisheng Xiang, Xiyu Liu*
An Improved Multi-objective Immune Algorithm Based on Differential Evolution	Zehua Wang, Wenke Zang, Dong Jiang
An overview of object detection methods based on deep learning	Xiaozhu Xie, Shuai Xue
Analysis on Hotspots of International Scientific Data Management and Sharing Based on Informetrics Atlas	DONG Ning
Anisotropic Laplace-Beltrami Operators for Non-rigid 3D Shape Retrieval	Qingqing Zhang, Chunmei Duan*
Attention-Based Bidirectional Hierarchical LSTM Networks for Text Semantic Classification	Xiaoming Shi, Ran Lu
Automatic Evaluation Method Using Dependency Parsing Model Based on Maximum Entropy	Na Li； Hui Yu
Charging and discharging Optimization Management Model for Electric vehicles	Yan Liu, Xiang-gui Cheng
Classification of Abnormal Gait Based on Improved Two-Stream CNN	Xinyu Jin, Zijian Zhao, Lanjuan Li
Constructing Knowledge Graph from Big Data of Smart Grids	Haichao Huang, Yaojun Chen, Bing Lou; Zhenyan Hongzhou; Jiaxian Wu, Ke Yan

Dedicated Transformer Stealing Identification System based on Big Data Analysis Technology	Zhang Jian, Chen Qingshui, Zhang Senda, Shao Xiufeng
Design and Implementation of a Universal Data Quality Management Software based on Data Flow	Song Jinyu, Hao Jiandong, Chen Gang, Zhang Suojuan, Guo Yiping
Design of a voice control 6DoF grasping robotic arm based on ultrasonic sensor, computer vision and Alexa voice assistance	Zhiheng Wang, Perry Xiao, Daqing Chen
Docker's Security Analysis of Using Control Group to Enhance Container Resistance to Pressure	Tianshuo Yang, Zhongxuan Luo, Zheliang Shen, Yican Zhong, Xin Huang
Effects of hypoglycemic anti-deafness prescription on insulin resistance in patients with diabetes mellitus and deafness	Yue Li, Ruiyu Li *
Exploring Multi-loss Function based Attention Framework for Vehicle Re-identification	Wei Liu* , Yi Zhang * , Zhiming Luo, Shaozi Li
Genarate and Solve Sudoku Puzzle	Guo Li, Xinshe Qi, Na Wang, Ruiping Huang, Jing Zhao
Improved K-medoids clustering algorithm for a class of P systems	Dongdong Zhang, Xiyu Liu and Yuzhen Zhao
Improved SPFA algorithm based on Cell-like P system	Hui Zhang, Xiyu Liu* , Laisheng Xiang
License Plate Location Based on Combination of Deep Learning and Feature Fusion	Yuan Yu, Qi Zhang, Huaisong Wu, Zhiwei Jiao
Measurement and Modelling of Burst Impulse Noise in Power Line Communication	Zhouwen Tan, Yun Cheng*, Xixian Wu
On Transformation of Educational Management at the Time of Big Data	Liu Xiaoyang, Xu Yang
Optimization Method of Equipment Spare Parts Based on Monte Carlo Simulation	Guangze Pan, Man You, Qin Luo, Xiaobing Li, Yuanhang Wang
Optimization of ACE-inhibitory hydrolysate production from alfalfa (Medicago sativa L.) Leaf protein using response surface modeling	Dandan Gao, Hongxin Ma, Hao Chen, Yiqiang Ke, Fumei Zhang, Zhongren Ma*, Ruofei Feng, Gongtao Ding, Shien Chen, Qianwen Bai
Reliability evaluation of long-life products based on performance degradation data	Guangze Pan, Qin Luo, Yuanhang Wang, Xiaobing Li, Chuangmian Huang, Man You
Research on Black Swan in Emerging Markets: Evidence from the Belt and Road Countries	Xiang JIN, Jing YANG *, Wei LE, Lijun ZHOU
Research on Embedded Library Services in University for Scientific Research Users	Jing Wu
Research on Government Information Sharing Model Using Blockchain Technology	Yiwei Zhang, Sanhong Deng* , Yue Zhang, Jia Kong
Research on Relevance Analysis and Clustering Algorithms in College Students' academic performance	Xiaohui Wang, Yue Zhang, Yunshuai Yang, Kuan Liu, Baozhong Gao*
Research on the application of hybrid teaching model in biological separation and purification technology under the background of "Internet +"	Wang Haifeng, Zhao Yanling
Risk Assessment Method for Host Nodes in Software Defined Networking	Chenshuo Zhou, Dejian Wei*, Hui Cao, Junzhong Zhang, Jing Liu, Zhenyang Li

Simulation of Traffic rules around Open Community based on Cellular Automaton Model	Yan Liu, Dan-feng Lin
Study on the Initial Values of the Latent Ability Distribution When Estimating the IRM Parameters Using EM Algorithm	Yaxin Kong, Xichang Wang
The "top N groups" method used to mine the empirical formula based on Apriori algorithm	Liang XU, Shou-qiang CHEN, Si-ling BI, Wen-xia BI
The monocular stereoscopic model based on an ordered wave particle swarm	Jihua Wang, Huanchun Yuan, Huayu Wang
The Research of a Memory Accesses Behavior on Non-Uniform Memory Access Architecture	Xiaomei Guo, Haiyun Han
Tomato diseases recognition based on Faster RCNN	Qimei Wang, Feng Qi
UWB Indoor Positioning Algorithm based on TDOA Technology	Taoyun Zhou, Yun Cheng*

Contact Us

Ms: Mindy Wang

Tel: +86-13564138859

Email: itme@vip.163.com

http://www.itme.org.cn