

# 第三届计算机科学与信息工程国际会议

3<sup>rd</sup> International Conference on Computer Science  
and Information Engineering (ICCSIE2018)

## 会议手册初稿

Conference Program First Version



西安天域凯莱大饭店

Tianyu Gloria Grand Hotel Xi'an

2018年9月22日 September 22, 2018

# 目录

---

---

大会简介 .....	1
欢 迎 辞 .....	3
大会组织机构 .....	5
主办单位 .....	5
组织单位介绍.....	9
北京工业大学简介 .....	9
北京工业大学软件学院简介 .....	10
特邀嘉宾 .....	13
会议信息 .....	19
会议时间 .....	19
大会报到 .....	19
公交线路 .....	19
代表标识 .....	20
会议语言 .....	20
住宿安排 .....	20
会议重要活动.....	20
学术交流须知.....	21
会议地点 .....	22
会议议程 .....	23
论文索引 .....	27

# Index

---

---

Conference Introduction .....	2
Welcome Speech.....	4
ICCSIE2018 Organization .....	6
Introduction to Beijing University of Technology .....	11
Introduction to Software College of Beijing University of Technology .....	11
Introduction to International Association of Applied Science and Technology .....	12
Plenary Speakers.....	13
Conference Information .....	19
Dates .....	19
Registration .....	19
Transportation.....	19
Participant Identification .....	20
Language .....	20
Accommodation.....	20
Important Events.....	20
Scientific Information .....	21
Venue .....	22
Conference Schedule.....	25
Article Index .....	27

# 大会简介

---

---

为加强国内高等院校、科研机构与国际计算机业界的学术交流,提高国内计算机科研、教育和应用的水平,由北京工业大学、国际应用科学与技术协会(IAAST)联合主办的第三届计算机科学与信息工程国际会议(ICCSIE2018)定于2018年9月22日在西安召开。

本届大会将邀请国内外高校、研究机构、政府部门及企事业单位的相关专家、学者莅临参会,并通过特邀报告、专题讲座的形式就计算机科学与信息工程领域中的最新学术进展和热点问题进行深入探讨。

# Conference Introduction

---

---

ICCSIE2018 is organized by Beijing University of Technology and International Association of Applied Science and Technology (IAAST).

The International Conference on Computer Science and Information Engineering is an annual conference that brings together researchers and scientists from computer science and information technology, researchers from various application areas to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

# 欢迎辞

---

---

尊敬的各位同道、各位朋友：

第三届计算机科学与信息工程国际会议（ICCSIE2018）定于2018年9月22日在西安天域凯莱大饭店召开。

我谨代表本届大会筹委会和北京工业大学，对参加此次会议的各位学界同道及嘉宾表示热烈的欢迎。

本届大会由北京工业大学、国际应用科学与技术协会（IAAST）联合主办，旨在加强国内高等院校、科研机构与国际计算机业界的学术交流，提高国内计算机科研、教育和应用的水平。

大会邀请了国内外高校、研究机构、政府部门及企事业单位的相关专家、学者莅临参会，并通过特邀报告、专题讲座的形式就计算机科学与信息工程领域中的最新学术进展和热点问题进行深入探讨。

最后，我代表组委会衷心感谢大家的参与，感谢各单位、组织的支持。衷心预祝各位代表与会期间有所收获，身体健康，心情愉快！预祝本届大会取得圆满成功！

何泾沙 教授

ICCSIE2018 大会主席

# Welcome Speech

---

---

Distinguished Delegates and Friends,

3<sup>rd</sup> International Conference on Computer Science and Information Engineering (ICCSIE2018) will be held in Xi'an during Sep.21<sup>th</sup>-22<sup>th</sup>, 2018. On behalf of the organizing committee of the conference and Beijing University of Technology, I hereby express a warm welcome to each delegate and guest attending the conference.

The conference aims to bring together researchers and scientists from computer science and information technology, researchers from various application areas to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research.

The conference topics include but not limited to Computer Architecture & Embedded System, System Modeling/Simulation & Process Control, Database Technology, Microelectronics, Electronic Information Engineering & Communications Engineering, and Information Warfare Technology, and Wireless Communication, etc.

There have been many famous experts and scholars invited attending the conference, and some of them will give special speeches and reports concerning latest research results and innovative technology in related fields, and in the meantime delegates will conduct wide and in-depth discussion and exchange. We sincerely hope that the conference will be a high-level academic platform for all delegates to learn academic development trend, widen research thoughts and strengthen friendship.

Xi'an is situated in the middle of the Yellow River reaches and at the center of Guanzhong Plain. Within Xi'an one can find many historic attractions, such as the remains of Banpo Village, a Neolithic matriarchal clan community, the Mausoleum of the first Qin Emperor, which has been listed in the "the World Cultural Heritages", the Big Wild Goose Pagoda and Small Wild Goose Pagoda built in the Tang Dynasty, the Bell Tower and City Wall built in Ming Dynasty, and the time-honored Forest of Stone Tablets. So, there is no wonder why foreigners always say "He who has not visited Xi'an can be said to have visited China."

Finally, on behalf of organizing committee, I express my gratitude to everybody who attends the conference, and each unit and organization for the support. I sincerely wish each delegate can benefit from the conference, and wish a complete success for the conference!

Jingsha He  
Chairman of ICCSIE2018

# 大会组织机构

---

---

## 主办单位

北京工业大学

国际应用科学与技术协会 (IAAST)

## 支持单位

印度理工学院

美国休斯顿大学

国立台湾科技大学

土耳其科喀艾里大学

西班牙巴斯克大学

郑州大学

电气与电子工程师协会 (IEEE)

斯普林格出版社

## 大会主席

何泾沙, 教授, 北京工业大学

葉維彰, 教授, 台湾国立清华大学

张吉, 副教授, 澳大利亚南昆士兰大学



# ICCSIE2018 Organization

---

---

## Organized by

Beijing University of Technology  
International Association of Applied Science and Technology (IAAST)

## Supported by

Indian Institute of Technology  
University of Houston, USA  
National Taiwan University of Science and Technology  
Kocaeli University, Turkey  
Universidad País Vasco, Spain  
Zhengzhou University, China  
Institute of Electrical and Electronic Engineering (IEEE)  
Springer

## Conference Chair

Jingsha He, Professor, Beijing University of Technology  
Wei-Chang Yeh, Professor, National Tsing Hua University  
Ji Zhang, Associate Professor, The University of Southern Queensland

## Technical Committee Members

Ștefan Țălu, Assoc. Prof. Ph.D. Eng., Senior lecturer, The Technical University of Cluj-Napoca, Faculty of Mechanical Engineering, Department of Automotive Engineering and Transportation, Discipline of Descriptive Geometry and Engineering Graphics (DGEG)  
Dr. Kuan Yew Wong, Associate Professor and Head of Research, Department of Manufacturing and Industrial Engineering, Faculty of Mechanical Engineering, Universiti Teknologi Malaysia  
Dr. Sulayman K. Sowe, Senior Researcher, National Institute of Information and Communications Technology, Japan  
Shi Zhenghao, Asst. Professor, Xi'an University of Technology, China  
Dr. Yongqiang Zhao, Northwestern Polytechnical University, China

Dr. Harish Kumar Sahoo, Asst. Professor, Department of Electronics and Telecommunication Engineering, IIIT Bhubaneswar, Govt. University, India

Dr. LALIT KUMAR SINGH, Research & Development – Electronic Systems section of Department of Atomic Energy, Government of India

Dr. Yusri Yusof, Professor, Dean, Department of Manufacturing and Industrial Engineering, Universiti Tun Hussein Onn Malaysia (UTHM)

Dr. G.Wiselin Jiji, Professor, (Head of) College of Engineering, Tirunelveli.

Dr. Harish Kumar Sahoo, Professor, Department of Electronics and Telecommunication Engineering, IIIT Bhubaneswar, Govt. University, India

Dr. Indrajit Saha, Institute of Informatics and Telematics, National Research Council

Dr. Ravipudi Venkata Rao, Professor, Department of Mechanical Engineering, S. V. National Institute of Technology, Surat

Dr. S. SMYS, Professor, Head, Department of Information Technology Karpagam College of Engineering, Coimbatore, India

Dr. P.Chitra, Assistant Professor (Senior Grade), Thiagarajar College of Engineering

Dr. Surbhi Gupta, Academy of Scientific and Innovative Research, CSIR-Central Scientific Instruments Organization

Dr. Biplob Ray, Professor, School of Technology (Faculty of Science, Engineering and Built Environment), Deakin University Ankit K. Shah, Assistant Professor, Instrumentation & Control Eng. Dept., Sardar Vallabhbhai Patel Institute of Technology

Dr. Reza Rahimi, Senior Sta Software Engineer in Cloud Storage Lab , Huawei Innovation Center, Santa Clara, USA.

Dr. Bestoun S. Ahmed, Salahaddin University - Hawler (SUH) College of Engineering Software Engineering Department

Dr. Hani Kaid Al-Mohair, King Fahd University of Petroleum & Minerals

Dr. Xiao Gaoxi, Associate Professor, Program Director, Communication and Network Systems Program, School of EEE, NTU., School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore

Dr. N. KUMARESAN, Institute of Mathematical Sciences Faculty of Science, University of Malaya

Nameer N. EL-Emam, Associate Professor, Chair of Computer Science Department, Deputy Dean of IT Faculty, Computer Science Department, Philadelphia University, Amman – Jordan.

DR. NADIR SHAH, Assistant Professor, Department of Computer Sciencen COMSATS Institute of Information Technology

Dr. T. VELMURUGAN, Associate professor, PG & Research Dept. of Computer Science, Head, Dept. of Computer Applications, D. G. Vaishnav College

Dr. Zhihan Lv, European Union's Seventh Framework Lanpercept project Fundación FIVAN

Dr. SIDDHARTHA BHATTACHARYYA, Associate Professor, Head, Department of Information Technology  
Dean (Research & Development) , RCC Institute of Information Technology, Canal South Road, Beliaghata, Kolkata

Dr. Young Seob Jeong, Korea Advanced Institute of Science and Technology (KAIST)

Dr. Taeho Jo, Faculty Position, School of Computer and Information Engineering, Inha University

Mohd Soperi Bin Mohd Zahid, Senior Lecturer, Department of Computer Science, Faculty of Computing, Universiti Teknologi Malaysia,

Dr. Xiangyu Wang, Professor, Professor, School of Built Environment, Curtin University, Australia urtin-Woodside Chair Professor for Oil, Gas & LNG Construction and Project Management Curtin Director, Australasian Joint Research Centre for Building Information Modeling (BIM)

Prof. Zhuxing Yang, Department of Electrical Engineering, National Cheng Kung University, Taiwan

Dr. Lavika Goel, Assistant Professor, Birla Institute of Technology Science, Pilani

Dr. Wei-Yu Chiu, Assistant Professor, Department of Electrical Engineering, Yuan Ze University, Taoyuan, Taiwan

Dr. Jie Gui, Assistant Professor, Institute of Intelligent Machines, Chinese Academy of Sciences, China

Dr. Olga Shabalina, Associate Professor, Volgograd State technical University

Dr. Mohit Kumar, Assistant Professor, Institute of Infrastructure Technology, Research and Management (IITRAM)

M.Sivachitra, Assistant Professor, Kongu Engineering College, Perundurai

Chetna Singhal, Postdoctoral Research Associate, Indian Institute of Technology (IIT) Delhi

Yuejun Xu, the director of Electronic government affairs office, Ningbo Municipal Government; the director of Ningbo Computer Federation.

Jianchang Xu, the chairman & senior engineer of Ningbo Jinwang information industry co., LTD; the director & secretary general of Ningbo Computer Federation.

Jieyu Zhao, the director of Ningbo institute of computer science and technology; the vice director of Ningbo Computer Federation.

Mohammad Saher iraji, Assistant Professor, Department of Computer Engineering and Biotechnology, Payame Noor University, Iran

Dr. Przemyslaw Falkowski-Gilski, Faculty of Electronics, Telecommunications and Informatics, Gdansk University of Technology

Dr. Hongfei Zhu, College of Computer Science and Technology, Chongqing University of Posts and Telecommunications

Dr. Farzin ASADI, Professor, Kocaeli University, Turkey

Dr. Gorka Urbikain Pelayo, Universidad País Vasco, Spain

Dr. Wenlan Qiu, University of Houston, USA

## 组织单位介绍

### 北京工业大学简介

北京工业大学位于北京市朝阳区，是一所以工为主，理、工、经、管、文、法、艺术相结合的多科性市属重点大学，国家“211工程”重点建设高校、一流学科建设高校、国家教育部批准的第一批硕士学位授予单位、博士学位授予单位。学校占地面积90.65万平方米，建筑面积116.43万平方米。学校现有在校生25000余人，其中研究生9800余人，全日制本科生13000余人，成人教育本专科生2076人，留学生928人。

学校覆盖工学、理学、经济学、管理学、文学、法学、哲学、教育学、艺术学等9个学科门类；拥有3个国家重点学科、39个北京市重点学科；18个一级学科博士学位授权点、1个二级学科博士学位授权点、31个一级学科硕士学位授权点、3个二级学科硕士学位授权点；18个博士后科研流动站以及工程硕士、工商管理、建筑学、应用统计、工程管理、社会工作、公共管理、艺术硕士、教育硕士、城市规划等10种专业学位类别，19个工程硕士培养领域；62个本科专业。

建校57年来，北京工业大学已为北京经济和社会发展的各个领域培养了14万余名毕业生（硕士、博士研究生26000余人），他们在各条战线上发挥着骨干作用。北京工业大学将继续秉承“不息为体，日新为道”的校训，努力增强办学实力，提升学校的核心竞争力，全面提高育人质量，面向国家和北京市的重大需求，主动融入京津冀协同发展，积极服务首都城市战略新定位和“四个中心”建设，以“双一流”建设为契机，努力将北京工业大学建设成为国际知名、有特色、高水平研究型世界一流大学，为国家和首都现代化建设、为实现中华民族伟大复兴“中国梦”做出更大的贡献！

## 北京工业大学软件学院简介

北京工业大学软件学院成立于 2001 年 3 月，同 12 月经过教育部和国家发展计划委员会论证和评审，被批准为国家示范性软件学院，被市政府列为北京实践培养软件人才的重要基地。

北京工业大学软件学院具有学历教育和学位教育资格，拥有从学士到硕士、博士完整的人才培养体系。设有软件工程本科专业和数字媒体技术本科专业，拥有计算机软件与理论、计算机应用技术和软件工程 3 个硕士学位点，计算机应用技术 1 个博士点。学院下设四个系、一个实验中心、五个办公室，四个系作为学院教学科研单位，包括软件与网络工程系、嵌入式软件与系统系、数字艺术系、信息与服务工程系。实验中心下设教学实验室、专业实验室和企业实验室。面积达到 1100 多平方米，拥有 600 多台高配置微机、30 多台服务器以及品质优良的网络实验设备，软件配置齐全，设备状态完好，为学院的实践教学提供了良好的实验环境。

软件学院采取多种途径与国外著名高校合作，如：引进先进教材、聘请有名望的专家学者授课、合作办学（BOHKNET 多国联合教学项目，美国圣何塞州立大学双硕士学位项目，爱尔兰都柏林城市大学双硕士学位项目，法国国立工艺学院双硕士学位项目，澳大利亚国立大学本科和研究生联合培养项目）等，使学生能够了解国际软件产业发展的前沿技术，从而培养与国际接轨的软件人才。

## **Introduction to Beijing University of Technology**

Beijing University of Technology (BJUT) was founded in 1960, and is a key multi-disciplinary university. Currently it has more than 21, 000 students, among which about 13,000 undergraduate students, more than 8,000 are Master's Degree students and about 1, 000 PhD candidates. There are more than 3,000 faculty members including more than 1500 academic staff and another 1,500 administrative, technical and logistics supporting staff. It covers 9 disciplines including Engineering, Science, Economics, Management, Philosophy, Education, law, Literature and Arts.

As only member of National "211 Project" among the municipal universities in Beijing, BJUT is a key multidisciplinary university with its strong focus on engineering, offering various programs from science, engineering, economics, management, liberal arts, law and arts. Founded in 1960, BJUT grew up along its own unique road for generations of endless construction, painstaking efforts and bold creativity. Up to now, it has provided more than 120000 high-quality graduates for the society, who are playing key roles in promoting capital economic development and social advancement.

## **Introduction to Software College of BJUT**

Software College of BJUT was established in March 2001. In December of the same year, it was approved as National Model Software Institute after demonstration and evaluation of the Ministry of Education and the State Development Planning Commission, and listed as an important base for training software talents by Beijing Municipal Government.

Software College of BJUT is qualified with academic education and degree education, with a full training system from bachelor to doctor. It has set undergraduate programs of software engineering and digital media technology, 3 master programs of computer software and theory, computer application technology and software engineering and 1 doctoral program of computer application technology. The college has 4 departments, including Software and Network Engineering Department, Embedded Software and System Department, Digital Art Department, and Information and Service Engineering Department, 1 experiment center, and 5 offices. The experiment center consists of teaching laboratory, professional laboratory and enterprise laboratory, with an area of more than 1100 square meters, more than 600 high-configuration computers, more than 30 servers and high-quality network experimental equipment, which provides a good experimental environment for the practical teaching.

Software College takes a variety of ways to cooperate with well-known foreign universities, such as: the introduction of advanced teaching materials, hiring reputable experts and scholars, cooperation in running schools (BOHKNET multi-national joint teaching project, double master degree program with United States San Jose State University, double master degree program with Dublin City University, double master degree program with CNAM, and co-cultivation program for undergraduate and graduate students with Australian National

University, etc.), which enables students to understand advanced technologies in the development of the international software industry for training software professionals in line with international standards.

## **Introduction to International Association of Applied Science and Technology**

International Association of Applied Sciences and Technology (IAAST) is a registered (Reg.No.35848437) scientific and educational organization that dedicated to promote research into and understanding of applied sciences and engineering technology, and improving the solution of technical difficulties in engineering technology application. These goals are accomplished through various activities, conferences, workshops, training and publications.

The IAAST members are research scientists, engineers, professors, scholars, managers, and technology students, etc. who worked in science and engineering technology research. It plays an influential role and promotes developments in relevant engineering technology in the world.

The mission of IAAST is to foster and conduct collaborative interdisciplinary research in state-of-the-art methodologies and technologies within its areas of expertise.

We welcome into membership all those, no matter he is from whatever country, discipline or level of technical knowledge, who want to improve their understanding of applied science frontiers, engineering technology, and support its better improvement. All members receive the same benefits. IAAST harnesses the research, knowledge, expertise and enthusiasm of its members to promote the professional management and practice in the world.

IAAST organizes conferences, workshops and provides sponsor or technical co-sponsor to various conferences, workshops where technical, theoretical, scholarly, and applied papers are presented and discussed. IAAST can publish some double-blind refereed academic journals and some Books in engineering technology and application. All papers in our conference proceedings will be published by the well-known press, such as Elsevier, IEEE, Academic Press, Springer, ASME, American Scientific Publishing, and SPIE, TTP and will be submitted to the major indexing services for indexing.

## 特邀嘉宾 Plenary Speakers

---

---



### 何泾沙

北京工业大学教授，博士生导师、北京市特聘教授、湖北“楚天学者计划”主讲教授

**研究领域：** 计算机网络、信息安全、3D 打印、大数据与云计算安全、数字取证

毕业于美国马里兰大学，先后任职于美国 IBM Corp. (资深计算机科学家)、MCI Communications Corp. (高级工程师)、GRIC Communications, Inc. (首席工程师) 等，先后获取美国发明专利 12 项。2003 年通过北京市高层次人才项目引进到北京工业大学任教授。截止 2017 年 3 月，在国内外学术期刊和国际会议上共发表论文 261 篇，其中已被 SCI 收录 21 篇，EI/ISTP 收录 184 篇，获中国发明专利 58 项，主持了包括国家自然科学基金项目、863 课题等 30 多个科研项目。

**Jingsha He**, Professor of Beijing University of Technology & leading professor for "Chutian Scholar Program" of Hubei Province

Graduated from University of Maryland, he has worked in IBM Corp., MCI Communications Corp., GRIC Communications, Inc., etc. in America, and got 15 American patents for invention. In 2003, he was introduced to Beijing University of Technology. Until now, he has published 261 papers in international journals and conference proceedings, and got 58 Chinese patents



for invention, presided over more than 30 projects as well, such as National Natural Science Foundation of China, 863 project, etc.

**Research field:** Computer networks; information safety; 3D printing; big data and cloud computing security; digital forensics



### **Shien-Kuei Liaw**

国立台湾科技大学教授，IEEE、国际光学工程学会高级会员，美国光学学会台湾分会副主席，台湾光子学会秘书长

Shien-Kuei Liaw 取得国立交通大学光子学工程和台湾大学机械工程双博士学位后，于 1993 年加入台湾中华电信并致力于光通信和光纤技术的研究；2002 年加入国立台湾科技大学电子工程学系，曾任光电研究中心和 NTUST 技术转移中心主任。他拥有 7 项美国专利，撰写期刊文章和国际会议报告超过 250 篇。此外，Shien-Kuei Liaw 教授还担任过许多国际学术会议的会议主席、主讲嘉宾，并担任国际期刊 “Fiber and Integrated Optics” 副主编。

**研究领域：**光学传感、光通信、光纤器件及可靠性测试

**Shien-Kuei Liaw:** Professor of National Taiwan University of Science and Technology (NTUST), Vice President of the Optical Society (OSA) Taiwan Chapter and Secretary-General of Taiwan Photonic Society, IEEE senior member.

Shien-Kuei (Peter) Liaw received double PhD degrees from National Chiao-Tung University in photonics engineering and from National Taiwan University in mechanical engineering, respectively. He owned seven U.S. patents, and authored or coauthored for more than 250 journal articles and international conference presentations. He earned many national honors such as Outstanding Professor of the Chinese Institute of Electrical Engineering in 2015, etc. He has been actively contributing for numerous conferences as technical program chair, international advisory committee, session chair and keynote speaker, invited speaker. He serves as an Associate Editor for Fiber and Integrated Optics. Currently, Dr. Liaw is a senior member of IEEE, OSA and SPIE.

**Research field:** Optical sensing, optical communication, fiber optics devices and reliability testing.



## **DEBJANI CHAKRABORTY**

印度理工学院教授，博士生导师

DEBJANI CHAKRABORTY 于 1995 年获得印度理工学院数学博士学位，1997 年获得印度科学大会协会数学青年科学家奖，并获印度国家科学院提名，主持的科研项目多次获印度科学与工业研究中心基金资助。

2010 年获得 IEEE ICSMB 会议最佳论文奖，2016 年斩获第 24 届西孟加拉邦科学技术大会最佳论文奖，2017 年荣获国际科学理事会最佳报告奖。在国内外学术期刊及会议上发表论文 130 余篇，并完成 2 本学术著作。

主持政府及企业科研项目 10 余项，并在 NPTEL、MOOC 等在线学习网站发布数十项网络课程及学术讲座视频。

**研究领域:** 信息管理系统、数据集成、决策建模、遗传算法、模糊计算等

**DEBJANI CHAKRABORTY:** Professor of Indian Institute of Technology

DEBJANI CHAKRABORTY got her doctor's degree from Department of Mathematics, Indian Institute of Technology in 1995. Now she is Nominated Member of Indian National Academy of Sciences, Allahabad. She got Young Scientist Award '97 in Mathematics by Indian Science Congress Association, and Young Scientist Scheme from DST, India in 1997. In addition, she got Research Associateship and Fellowship from CSIR in 1996 and 1989. More than 130 papers have been published in international journals and conferences. In 2004, she got Best paper award, WCLC 04, IISC Bangalore; in 2010, she got Best Paper Award, IEEE ICSMB 2010, SMST IIT Kharagpur; in 2016, she got Best paper in Presidency and state level in 24th West Bengal State Science and Tech Congress; and in 2017, she got Best Presentation Award from International Science Council, London.

**Research field:** Information management system, data integration, decision-making model, Genetic algorithm and fuzzy calculation.



## Seongah Chin

韩国圣洁大学教授, 该校虚拟现实与视觉计算实验室主任、产学研合作基金会主任

Seongah Chin 于 1999 年在史蒂文斯理工学院获得计算机科学博士学位, 曾为韩国首尔大学媒体技术系研究教授, 现担任 XICOM 实验室主任。Seongah Chin 的研究获得 IITP, NRF, KOSEF, SMBA, MOCIE and

KOFAC 等基金或机构的支持，在国内外期刊及会议上发表学术论文超过 135 篇，其中包括 IEEE Transactions on SMC, Multimedia Systems 等杂志。此外，他还作为访问教授和学者多次出国进行学术交流，如美国韦恩州立大学、新加坡南洋理工大学等，同时担任多本期刊编辑委员会委员。

**研究领域：**多媒体系统，虚拟现实，人机交互、计算机图形、视觉计算等

**Dr. Seongah Chin:** Professor, Division of Media Software, and Director of Virtual Reality and Visual Computing Laboratory named XICOM LAB at Sungkyul University, South Korea.

Dr. Seongah Chin received his Ph.D. degree in Computer Science from Stevens Institute of Technology in 1999. He worked as a research Professor at the Department of Media Technology at Sogang University in South Korea. His research outcomes have mainly been supported by the funding from IITP, NRF, KOSEF, SMBA, MOCIE and KOFAC, and he has published more than 135 leading academic journals and conference papers including IEEE Transactions on SMC, Multimedia System. He also spent two sabbatical leaves collaborating with the Department of Industrial and System Engineering, Wayne State University in USA, at MAGIC (Multi-plAtform Game Innovation Center), Nanyang Technological University in Singapore and Interactive Computing Lab, KAIST in Korea, and YUST in China as a visiting professor and scholar. Currently, Dr. Chin is serving as editorial board member, program committee, invited and keynote speaker in his expertise.

**Research field:** Virtual reality, physically-based material rendering, human computer interaction, computer graphics, facial expression and computer vision.



## **Masashi Kawaguchi**

日本铃鹿工业高等专门学校国家技术研究所教授

Masashi Kawaguchi 1987 年于名古屋工业大学毕业获得信息工程学士学位, 1992 年调任为铃鹿大学国家技术研究院电气工程学院研究助理, 2003 年获名古屋工业大学环境技术与城市规划专业硕士学位, 2004 年被评为副教授, 2012 年晋升为教授, 是日本电气工程师学会、日本情报处理学会成员。

研究领域: 信息工程、电气工程

**Masashi Kawaguchi:** Professor, National Institute of Technology, Suzuka College.

Masashi Kawaguchi received the B.E. degree in Information Engineering from the Nagoya Institute of Technology in 1987. He joined Kaisei High School as a mathematics teacher in 1987. He was transferred as a Research Associate in the Department of Electrical Engineering of National Institute of Technology, Suzuka College in 1992. He received the D.E. degree in Environmental Technology and Urban Planning Graduate School of Engineering at Nagoya Institute of Technology in 2003. He became an associate professor in 2004 and promoted a professor in 2012. He is a member of the IEE of Japan and IPSJ (Japan).

**Research field:** Information technology, electrical engineering

# 会议信息 Conference Information

## 会议时间 Dates

2018年9月21日-22日

September 21<sup>th</sup>-22<sup>th</sup>, 2018

## 大会报到 Registration

日期/Date	时间/Time	地点/Location
2018年9月21日下午 Sep. 21 <sup>th</sup> , 2018	14:00-19:00	西安天域凯莱大饭店 Tianyu Gloria Grand Hotel Xi'an

## 乘车路线 Transportation

西安咸阳国际机场→西安天域凯莱大饭店 Xi'an Xianyang International Airport → Tianyu Gloria Grand Hotel Xi'an	乘坐机场大巴文艺路至文艺路（李家村）西藏大厦站下车，步行至西安天域凯莱大饭店 Take Airport shuttle bus (Wenyi Road) to Wenyi Road (Lijia Village) Tibet Building Station, and then walk to Hotel
西安北站（高铁）→西安天域凯莱大饭店 Xi'an High-speed Rail Station → Tianyu Gloria Grand Hotel Xi'an	乘坐公交723路至地铁2号线北苑站，乘地铁2号线至南稍门站(D口出)，乘坐教育专线至李家村站下车，步行至西安天域凯莱大饭店 Take Bus 723 to Beiyuan Station of Metro line 2, take Metro line 2 to Nanshao Gate Station (D Exit), take Bus Special Line of Education to Lijia Village Station, and then walk to Hotel
西安火车站→西安天域凯莱大饭店 Xi'an Railway Station → Tianyu Gloria Grand Hotel Xi'an	乘坐30路公交至李家村站下车，步行至西安天域凯莱大饭店 Take No.30 Bus to Lijia Village Station, and then walk to Hotel

## 代表标识 Participant Identification

参会证是参会代表的标识。请在参加会议活动和使用茶点时佩戴参会证。没有佩戴参会证者将无法进入会场参会。

- 佩戴蓝色和绿色参会证者为会议正式代表
- 佩戴红色参会证者为会议工作人员
- Please wear your participant cards for all the conference activities.
- Blue and Green: Participants
- Red: Staff

## 会议语言 Language

大会交流语言为英文和中文

The official languages of ICCSIE2018 are English and Chinese.

## 住宿安排 Accommodation

考虑到酒店接待能力，所有参会学者建议入住**西安天域凯莱大饭店（西安市雁塔路北段1号 710054）**，住宿费标准400-450元/晚（含早餐）。

本届会议会务组已与以上酒店签订协议，入住可享受协议价。如需预定房间，可联系会务组尤老师（邮箱[iccsieconf@163.com](mailto:iccsieconf@163.com)，电话：15515536262）

所有参会者亦可自行预定西安天域凯莱大饭店周边的快捷酒店。

All foreign participants will be recommended to live in **Tianyu Gloria Grand Hotel Xi'an**.

Address: No.1 of Yanta North Road, Xi'an City, Shaanxi Province

Any question on accommodation, please contact [iccsieconf@163.com](mailto:iccsieconf@163.com) TEL: 86-15515536262.

## 会议重要活动 Important Events

### 开幕式 Opening Ceremony

时间：2018年9月22日上午9:00-9:10

地点：西安天域凯莱大饭店

Time: 8:30-9:00 a.m., Sep.22<sup>th</sup>, 2018

Venue: Tianyu Gloria Grand Hotel Xi'an

## 学术交流须知 Scientific Information

### 学术报告顺序

学术交流将按照大会最终日程册进行，请发言的代表注意自己的发言日期和时间并提前做好准备。

Order of presentation will be arranged based on **Final Conference Program of ICCSIE2018**, so delegates who give presentations should prepare your speeches in advance.

### 幻灯片 PPT

请做报告嘉宾于**2018年8月24日之前**将准备好的中英文PPT发送至会务组邮箱 [iccsieconf@163.com](mailto:iccsieconf@163.com)，若涉及研究成果保密，请至少提前发送报告概要至会务组。

All delegates who give presentations should send PPT in English version before **August 24, 2018** to [iccsieconf@163.com](mailto:iccsieconf@163.com).



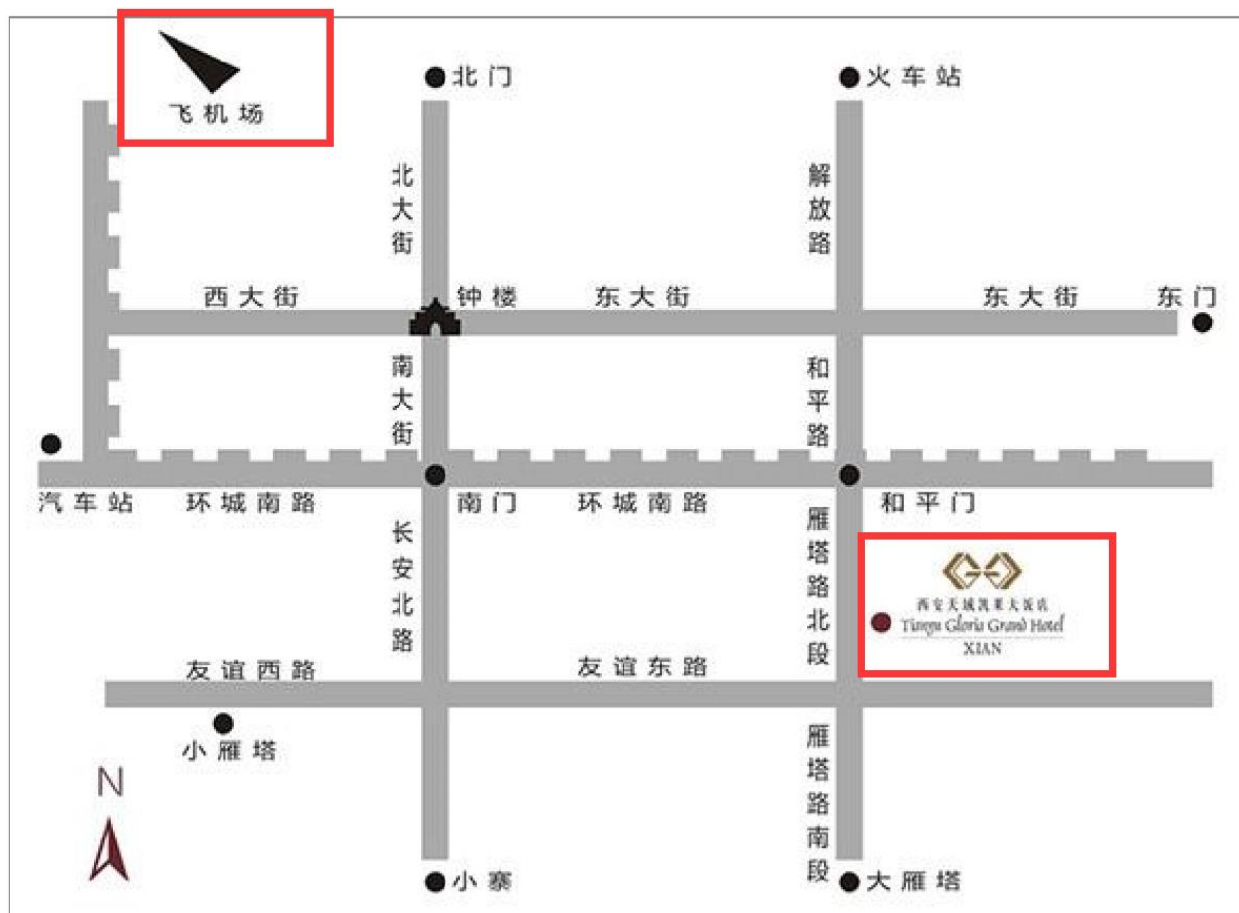
# 会议地点 Venue

西安天域凯莱大饭店

地址：西安市雁塔路北段1号 710054

Tianyu Gloria Grand Hotel Xi'an

Address: No.1 of Yanta North Road, Xi'an City, Shaanxi Province



# 会议议程

## ICCSIE2018 日程安排

日期	时间	事项	地点
9月21日 星期五	14:00-19:00	会议报到	西安天域凯莱大饭店 大堂
9月22日 星期六上午	8:30-9:00	会议报到	西安天域凯莱大饭店 六楼多媒体会议室
	开幕式		
	9:00-9:10	领导致辞	
	特邀报告		
	9:10-9:50	何泾沙	
	9:50-10:30	DEBJANI CHAKRABORTY	
	10:30-10:50	集体合影 & 茶歇	
	10:50-11:20	Shien-Kuei Liaw	
11:20-11:50	Seongah Chin		
	12:00-13:30	午餐	西安天域凯莱大饭店 自助餐厅
9月22日 星期六下午	主题报告		西安天域凯莱大饭店 六楼多媒体会议室
	14:00-14:30	Masashi Kawaguchi	
	14:30-15:00	Tei-Chen Chen	

	15:00-15:30	Wang FuKe	
	15:30-18:00	接收论文口头报告与交流	
	18:00-18:10	闭幕式	
9月23日	全天	自由活动	

# Conference Schedule

Date	Time	Item	Location
Sep. 21 Friday	14:00-19:00	Registration	Lobby of Tianyu Gloria Grand Hotel Xi' an
	8:30-9:00	Registration	
Sep. 22 Saturday	<b>Opening ceremony</b>		
	9:00-9:10	Welcome speech	
	<b>Keynote Speech</b>		Multimedia Room at
	9:10-9:50	<b>Jingsha He</b>	Sixth Floor,
	9:50-10:30	<b>DEBJANI CHAKRABORTY</b>	Tianyu Gloria Grand
	10:30-10:50	<b>Group photo &amp; tea break</b>	Hotel Xi' an
	10:50-11:20	<b>Shien-Kuei Liaw</b>	
	11:20-11:50	<b>Seongah Chin</b>	
	12:00-13:30	<b>Lunch</b>	Cafeteria of Tianyu Gloria Grand Hotel Xi' an
	Sep. 22 Saturday	<b>Special Report</b>	
14:00-14:30		<b>Masashi Kawaguchi</b>	Sixth Floor,
14:30-15:00		<b>Tei-Chen Chen</b>	Tianyu Gloria Grand

	15:00-15:30	Wang FuKe	Hotel Xi' an
	15:30-18:00	Oral presentation of accepted papers	
	18:00-18:10	Closing ceremony	
<b>Sep. 23</b> <b>Sunday</b>	Whole day	Free time	

# 论文索引 Article Index

---

---

更新中.....

Coming soon .....