12th International Conference on Intelligent Human Computer Interaction 2020
IHCI-2020 Conference is planned to be hosted as both "On-site" and "Virtual"
24-26 November 2020, EXCO-Daegu, South Korea

Springer
Lecture Notes in Computer Science
LNCS LNAI LNBI

Keynote Speakers

Prof. P. Nagabhushan
Director, Indian Institute of Information Technology, Allahabad, (IIIT-A) India

Prof. Maode Ma
School of Electrical and Electronics Engineering, Nanyang Technical University, Singapore

Prof. Dugan Um
Department of Mechanical Engineering, Texas A&M University, USA

Prof. Ajay Gupta
Department of Computer Science, Western Michigan University, USA

Invited Speakers

Prof. Yeon-Ho Chung
HOD, Dept. of ICE. Pukyong National University, Busan, Korea

Prof. James R. Reagan
Former Vice Dean ECIS, Woosong University, Daejeon, Korea

Prof. Mario José Diván
Universidad Nacional de La Pampa, Argentina

Prof. Jae-Hee Park
Department of Electronic Engineering, Keimyung University, Daegu, Korea

Prof. Antonio M. Alberti
National Institute of Telecommunication Santa Rita do Sapucai, Brazil

Prof. M. Shridhar,
Electrical & Computer Eng., University of Michigan-Dearborn, USA

Prof. Rodrigo Righi
Chair of the Applied Computing Graduate Program, UNISINOS, Brazil

Dr. Antonio Jara
Founder/CEO, HOP Ubiquitous, Spain

Prof. Boon Giin Lee,
University of Nottingham Ningbo, China

Prof. Gaurav Trivedi
Indian Institute of Technology, (IIT) Guwahati, India

Special Sessions

Cognitive Modeling and Systems
Chair:
Prof. Uma Shanker Tiwary
[ust@iiita.ac.in]
Indian Institute of Information Technology-Allahabad, (IIIT-A), India

Human-Computer Interfaces in Developing Countries
Chairs:
Dr. Suzana Brown
[suzana.brown@sunykorea.ac.kr]
Department of Technology and Society, Stony Brook University, The State University of New York, Korea

Dr. Mark D. Whitaker
[mark.whitaker@sunykorea.ac.kr]
Department of Technology and Society, Stony Brook University, The State University of New York, Korea

Cognitive Learning Analytics
Chairs:
Prof. Arvind W Kiwelekar
[awk@dbatu.ac.in]
Dr. Babasaheb Ambedkar Tech. University, Lonere, India

Prof. Kenneth A. Yates
[kenneth.yates@usc.edu]
Co-Director, CHARIOT: Center for Human Applied Reasoning &IOT, University of Southern California, USA

Intelligent System for Modeling and Complex Problem Solving
Chairs/Invited speaker:
Dr. Mohd Helmy Abd Wahab
[helmy@uthm.edu.my]
Embedded Computing System Research, Universiti Tun Hussein Onn, Malaysia

Prof. Masoud Mohammadian
[masoud.mohammadian@canberra.edu.au]
Dept. of Computer and Info. System, University of Canberra, Australia

Intelligent Human-Health Informatics System
Chairs:
Prof. Pravin Pawar
[pravin.pawar@sunykorea.ac.kr]
Research Associate Professor, Department of Computer Science, State University of New York, Korea

Prof. Jan Willem van't Klooster
[j.w.vantklooster@utwente.nl]
Managing Director, BMS Lab University of Twente, The Netherlands

Prof. Thierry Oscar Edoh
[Oscar.edoh@gmail.com]
Research Associate Professor, Dep. Regulatory Affairs / Inst. of Pharmacy, Bonn University, Germany

Human-Centered AI Applications
Session Chair
Prof. Eui-Chul Lee
[eclee@smu.ac.kr]
Dean of Information & Comm., Dept. of Intelligent Eng. Info. for Human, Sangmyung University, Seoul, Korea

Adaptive Security in HCI
Chair:
Irish Singh
[singhirish@ajou.ac.kr]
Department of Computer Science, Ajou University, Suwon, Korea

Human Computer Interaction for Intelligent Usability Test System
Chair:
Prof. Jong- Ha Lee
[segeberg@kmu.ac.kr]
Department of Medical Engineering, School of Medicine, Keimyung University, Daegu, Korea

Operator 4.0: Intelligible Industrial Systems
Chairs:
Dr. Jia Uddin [jia.uddin@wsu.ac.kr]
School of Technology Studies, Woosong University, Daejeon, Korea

Dr. Muhammad Sohaib
[md.sohaib@lgu.edu.pk]
Lahore Garison University, Lahore, Pakistan

Intelligent Brain -Computer Interface
Chairs:
Dr. Shyam Perugu
[shyamperugu@nitw.ac.in]
Department of Biotechnology, National Institute of Technology, Warangal, India

Dr. Nagamani M.
[nagamanics@uohyd.ac.in]
School of Computer and Information Sciences, University of Hyderabad, India

▪ Poster and Student Papers

We welcome interested students and industrial researchers to submit their latest research works in the IHCI-2020. Authors can accordingly submit their paper as a full paper and/or short paper.

▪ Publication of Proceeding

The **proceeding of the conference** will be published in **Lecture Notes on Computer Science (LNCS), Springer** and is *indexed in Scopus, Google Scholar, DBLP, ACM Digital Library etc*.
The extended version of the selected papers will be considered for submission in the special issues of the following SCIE Journals :

▪ Special Issue Journals

Multimedia tools and applications, Springer (IF: 2.3) non-paid
Journal of Big Data, Springer, (Q-1 Journal) non-paid
MDPI SCIE Journals discounted APC: 10% - 50%
Electronics (IF-2.4); Sensors(IF-3.33); Sustainability
International Journal of Embedded Systems non-paid

Topics of Interest
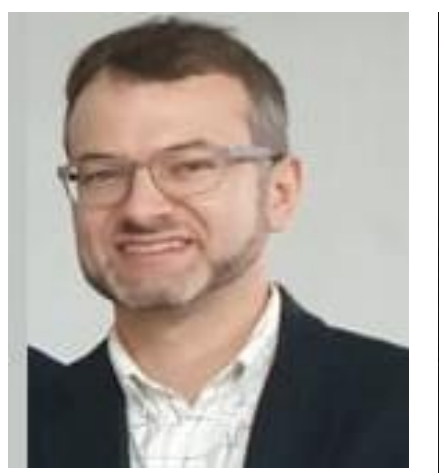
The conference will bring together people from academia, industry and research organizations. It will give its participants an opportunity to present and learn about cutting-edge work in the field of Hunan-Computer Interaction. To meet this objective we invite original research contributions on the following topics of interest.

- Intelligent wearable and mobile interfaces
- Blockchain in HCI World
- Augmented Reality/Virtual Reality
- Brain-Computer/Brain-Machine Interface
- Cognitive Learning Analytics
- Cyber Security in HCI
- Human-Robot Interaction
- Interface Design for Accessibility
- Interactive visualization tools
- Language and speech interfaces
- Interactive machine learning
- Soft Computing for Machine Interface
- Cognitive Interface Design
- Bio-Inspired Computing

How to Submit

▪ **Full papers (10-to-12 pages)**
Authors are encouraged to submit full-length papers reporting novel ideas and/or experimental work in the field of HCI and related research domains.

▪ **Short papers (4-to-6 pages)**
Authors are encouraged to submit the works describe novel ideas that have not been fully developed or evaluated for its usability. Full details of submission procedures and requirements for authors, **manuscript templates** are available on the IHCI conference at http://ihci20k.info/

▪ All papers must be submitted electronically via Easy chair: https://easychair.org/my/conference?conf=ihci2020

Important Dates

Paper Submission Firm Deadline	~~August 30, 2020~~ Sept. 15, 2020
Notification of Acceptance	Sept. 30, 2020
Camera Ready Submission	Oct. 15, 2020
Program schedule available	Oct. 30, 2020
Conference Date	Nov. 24-26, 2020

General Chairs

Prof. Wan-Young Chung
Dept. of Electronic Engineering, Pukyong National University, Busan, Korea
wychung@pknu.ac.kr

Prof. Dhananjay Singh
Dept. of Electronic Engineering, Hunkuk University of Foreign Studies, Seoul, Korea
dsingh@hufs.ac.kr

Registration Fees

Participation Type	On-site	Online/Virtual
	500 USD / 500,000 KRW	250 USD / 250,000 KRW

Organized By

KICSP 한국 융합신호처리 학회
식단법인 한국센서학회 THE KOREAN SENSORS SOCIETY
미래산업사용성평가센터 The Center for Advanced Technical Usability and Technologies
DSU 동서대학교 LINC PLUS+
대구국제로봇산업전 The 9th Daegu Robot Expo
dcvb 대구컨벤션관광뷰로 Daegu Convention & Visitors Bureau

Technical Program Chairs

Prof. U. S. Tiwary
Indian Institute of Information Technology (IIIT-A), Allahabad, India
ust@iiita.ac.in

Prof. Dae-Ki Kang
Dept. of Computer Science, Dongseo University, Busan, Korea
dkkang@dongseo.ac.kr

Prof. Jong-Ha Lee
School of Medicine, Keimyung University, Daegu, Korea
segeberg@kmu.ac.kr

Prof. Madhusudan Singh
School of Technology Std., ECIS, Woosong University, Daejeon, Korea
msingh@wsu.ac.kr

Contact Members

Pamul Yadav
UNIST, Ulsan, Korea
pamulydv@unist.ac.kr

Hyojin Jung
DCVB, Daegu, Korea
jhj@daegucvb.com