

CALL FOR PARTICIPATION

2020 IEEE International Conference on Big Data and Smart Computing

February 19(Wed.)-22(Sat.), 2020, BEXCO, Busan, Korea

<http://www.bigcomputing.org>



You are invited to attend the 2020 IEEE International Conference on Big Data and Smart Computing 2020 (IEEE BigComp2020). It provides an international forum for exchanging ideas and information on big data and smart computing fields which have recently drawn much attention and interests.

Keynote 1



Title : Data Challenges Towards the Realization of Society 5.0 Vision

Speaker : Masaru Kitsuregawa

Director General of National Institute of Informatics and Professor at Institute of Industrial Science, the University of Tokyo

Keynote 2



Title : Mining Unstructured Big Text: A Multi-Dimensional Analysis Approach

Speaker : Jiawei Han

Abel Bliss Professor, Department of Computer Science, University of Illinois at Urbana-Champaign

Keynote 3



Title : Hybrid Deep Learning with Explainable Latent Space for Big Data Analysis

Speaker : Sung-Bae Cho

Professor, Yonsei University

Conference- Preliminary Program (At a Glance)

| Workshop Day: February 19 (Wednesday), 2020 | | | | | | |
|---|--|---|---|------------------------|--|-------------------|
| Time | 321 | 322 | 323 | 324 | 325 | 326 |
| 09:00-12:30 | WS3- KBS2020 * Korean | WS4- IWBIGDataCity & WS11- RDAU2020 * Joint WS | WS5- ISComp2020 | WS9- SHEBD2020 | WS7- BigData4 SmartEnergy 2020 | WS8- IWDS |
| 12:30-14:00 | Lunch | | | | | |
| 14:00-19:00 | WS3-KBS2020 (Cont'd) | WS1-CMComp2020 (9) | WS2-DrivComp2020 (11) * 25min/ paper | WS9-SHEBD2020 (Cont'd) | WS6-CompDS4 HealthcareAI | WS10-MEGA AI 2020 |
| Main Conference Day 1: February 20 (Thursday), 2020 | | | | | | |
| Time | 321 | 322 | 323 | 324 | | |
| 08:30-17:40 | Registration at BEXCO | | | | | |
| 08:30-09:00 | Opening | | | | | |
| 09:00-10:00 | Keynote Speech 1 Data Challenges Towards the Realization of Society 5.0 Vision (Masaru Kitsuregawa, University of Tokyo) | | | | | |
| 10:00-10:30 | Coffee Break | | | | | |
| 10:30-12:15 | Session 1A (10:30-12:30) Tutorial 1: Blockchain and its Security Risk | | Session 1B Data Mining I | | Session 1C Distributed Computing I | |
| 12:15-14:00 | Lunch | | | | | |
| 14:00-15:45 | Session 2A Tutorial 2: Explainable Artificial Intelligence (XAI) | | Session 2B Spatial & Temporal Data Analysis I | | Session 2C Graph Analysis & Security I | |
| 15:45-16:10 | Coffee Break | | | | | |
| 16:10-17:40 | Session 3A Tutorial 2: continued | | Session 3B Machine Learning I | | Session 3C Smart Computing | |
| 18:00-20:00 | Reception | | | | | |
| Main Conference Day 2: February 21 (Friday), 2020 | | | | | | |
| Time | 321 | 322 | 323 | 324 | | |
| 09:00-17:40 | Registration at BEXCO | | | | | |
| 09:00-10:00 | Keynote Speech 2 Mining Unstructured Big Text: A Multi-Dimensional Analysis Approach (Jiawei Han, University of Illinois at Urbana-Champaign) | | | | | |
| 10:00-10:30 | Coffee Break | | | | | |
| 10:30-12:15 | Panel TBD | | | | | |
| 12:15-14:00 | Lunch | | | | | |
| 14:00-15:45 | Session 4A Tutorial 3: Detecting Communities and Anomalies in Large Real-world Graphs | | Session 4B Machine Learning II | | Session 4C Data Mining II | |
| 15:45-16:10 | Coffee Break | | | | | |
| 16:10-17:40 | Session 5A Tutorial 3: continued | | Session 5B Text & Natural Language I | | Session 5C Big Data Applications I | |
| 18:00-21:00 | Banquet | | | | | |
| Main Conference Day 3: February 22 (Saturday), 2020 | | | | | | |
| Time | 321 | 322 | 323 | 324 | | |
| 09:00-17:40 | Registration at BEXCO | | | | | |
| 09:00-10:00 | Keynote Speech 3 Hybrid Deep Learning with Explainable Latent Space for Big Data Analysis (Sung-Bae Cho, Yonsei University) | | | | | |
| 10:00-10:30 | Coffee Break | | | | | |
| 10:30-12:15 | Session 6A Text & Natural Language II | | Session 6B Spatial & Temporal Data Analysis II | | Session 6C Graph Analysis & Security II | |
| 12:15-14:00 | Lunch | | | | | |
| 14:00-15:45 | Session 7A Tutorial 4: Big Data - AI Integration | | Session 7B Big Data Applications II | | Session 7C Distributed Computing II | |
| 15:45-16:10 | Coffee Break | | | | | |
| 16:10-17:40 | Session 8A Tutorial 4: continued | | | | | |

Workshops

1. The First International Workshop on Conceptual Modeling for Big Data and Smart Computing (CMComp2020)
2. The Third International Workshop on Computing and Information Technology for Self-Driving and Autonomous Mobility (DrivComp2020)
3. The First Workshop on Blockchain and Smart City Service Platform (Korean Only)
4. The Second International Workshop on Big Data, Cloud, and IoT Technologies for Smart Cities
5. Industrial Security - eGovernance Vision and Strategy
6. Computational Data Science for Healthcare and AI
7. The Third International Workshop on Big Data Analysis for Smart Energy (BigData4SmartEnergy 2020)
8. The Third International Workshop on Dialog Systems (IWDS)
9. The First International Workshop on Social Health in the Era of Big Data (SHEBD 2020)
10. The First Workshop on Multimodal, Expeditive, Generative and Actionable AI (MEGA AI 2020)
11. The First International Workshop on Research Data Analysis and Utilization (RDAU 2020)

Registration

* Author Registration Deadline: **December 30, 2019**

* Early Registration Deadline: **January 17, 2020**

Conference Registration Fee

| | | Author Registration (by December 30, 2019) | Early Registration (by January 17, 2020) | Late Registration |
|---------|------------------------|---|---|-------------------|
| Regular | Conference + Workshops | IEEE or KIISE Member USD 680 | USD 680 | USD 780 |
| | | Non Member USD 820 | USD 820 | USD 940 |
| | Workshops Only | IEEE or KIISE Member USD 500 | USD 500 | USD 580 |
| | | Non Member USD 600 | USD 600 | USD 700 |
| Student | Conference + Workshops | IEEE or KIISE Member -- | USD 350 | USD 400 |
| | | Non Member -- | USD 420 | USD 480 |
| | Workshops Only | IEEE or KIISE Member -- | USD 250 | USD 300 |
| | | Non Member -- | USD 300 | USD 360 |

* Payment currency can also be in CNY and KRW, and details are in the Online Registration page once you log in.

Registration Guideline

- At least one author of each accepted paper (including the workshop paper) must be registered as Regular registration by **Dec 30, 2019**. Manuscripts received after this date will NOT be published in the proceedings of this conference.
- All accepted papers must be registered as Regular registration. If multiple papers are accepted, each paper SHOULD be registered as Regular registration.
- Conference+Workshops registration includes reception and banquet. Workshops-Only registration does not include reception and banquet.
- For On-site registration participants, please be noticed that we may not be able to guarantee the banquet if there is no space.
- Additional banquet ticket: USD 80

Useful Information

For a detailed program and information, please visit the BigComp2020 web site at <http://www.bigcomputing.org>