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Technical Activities: International Conference Organization

We are organizing a variety of activities related to the theme and different aspects of hyper-intelligence. A series of IEEE international conferences that HITC is actively involved in this year include:

- The 7th IEEE Cyber Science and Technology Congress (CyberSciTech 2022) <http://cyber-science.org/2022/cyberscitech/>;
- The 20th IEEE International Conference on Pervasive Intelligence and Computing (PICom 2022) <http://cyber-science.org/2022/picom/>;
- The 8th IEEE International Conference on Cloud and Big Data Computing (CBDCom 2022) <http://cyber-science.org/2022/cbdcom/>;
- The 20th IEEE International Conference on Dependable, Autonomic & Secure Computing (DASC 2022) <http://cyber-science.org/2022/dasc/>
- The 8th IEEE International Conference on Smart Data (SmartData 2022), <http://www.ieee-cybermatics.org/2022/smartdata/index.php>;
- The 15th IEEE Conference on Internet of Things Computing (iThings-2022), <http://ieee-cybermatics.org/2022/ithings/index.php>;
- The 15th IEEE International Conf. on Cyber, Physical and Social Computing (CPSCom 2022), <http://ieee-cybermatics.org/2022/cpscom/index.php>;
- The 18th IEEE International Conference on Green Computing and Communications (GreenCom 2022), <http://ieee-cybermatics.org/2022/greecom/index.php>;
- The 5th IEEE International Conference on Blockchain (Blockchain 2022), <http://www.blockchain-ieee.org/index.php>;
- The 10th IEEE Cybermatics Congress (Cybermatics 2022) <http://ieee-cybermatics.org/2022/cybermatics/>

- The 16th International Conference on Multimedia and Ubiquitous Engineering (MUE2022), <http://www.mue-conference.org/2022/>;
- The 17th International Conference on Future Information Technology (FutureTech2022), <http://futuretech-conference.org/2022/>.

During these conferences, several famous scientists and distinguished researchers will be invited to give keynote speeches, to share their latest technical achievements, specific working experience, distinctive life perception, regarding key aspects closely related to hyper-intelligence in both academic and industrial fields.

Technical Activities: Workshops and Special Sessions Organization

- The 15-th International Workshop on Bio and Intelligent Computing (BiCOM-2022), <http://voyager.ce.fit.ac.jp/conf/BiCOM/2022/index.html>
- Special Session on “Hyper-Intelligence in Cyber-Physical Systems” at the 16th Annual IEEE International Systems Conference (SYSCON 2022), <https://2022.ieeesyscon.org/>
- 7th Special Session on “Intelligent and Contextual Systems” at the 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS2022), <http://www.icxs.pwr.edu.pl/>
- Special Session 4: Data Fusion for Industry 4.0 at the 25th International Conference on Information Fusion (FUSION 2022) <https://www.fusion2022.se/>

Journals and Special Issues

It is our great honor that our special issue proposals have been approved in several journals:

- *IEEE Internet of Things Journal*.
Special Issue on Green IoT for Future Space-Air-Ground-Ocean Integrated Networks and Applications.
Guest Editors: Bo Rong, Mohamed Cheriet, Jon Montalban, Lei Shi, and Yi Qian.

The goal of the special issue is to raise the research attention on green IoT and promote the principle of energy efficiency in the design of future SAGOI (space, air, ground, and ocean integrated) IoT.

<https://iee-iotj.org/wp-content/uploads/2022/01/SI-CFP-Green-IoT-for-FutureSAGO-20211222.pdf>

- *IEEE/ACM Transactions on Computational Biology and Bioinformatics*.
Special Issue on Deep Learning-Empowered Big Data Analytics in Biomedical Applications and Digital Healthcare.
Guest Editors: Xiaokang Zhou, Carson Leung, Kevin Wang, and Giancarlo Fortino.

The goal of the special issue is to collect novel works exploring the possibility of deep learning and big data analysis technologies in the fields of biomedical applications and

healthcare.

<https://www.computer.org/digital-library/journals/tb/call-for-papers-special-issue-on-deep-learning-empowered-big-data-analytics-in-biomedical-applications-and-digital-healthcare>

Hyper-Intelligence News

Some HI-related news are posted on the HITC website:

- *Gartner publishes Hype Cycle for Artificial Intelligence 2021.*
Four trends on the Gartner Hype Cycle for Artificial Intelligence, 2021 are driving near-term artificial intelligence (AI) innovation. These trends include responsible AI; small and wide data approaches; operationalization of AI platforms; and efficient use of data, model, and compute resources.
- *HyperIntelligence, The Future of Data Analytics is here.*
HyperIntelligence aims to deliver Zero-Click Intelligence. In simple words, it aims to provide key data insights for specific keywords on all web applications. This is facilitated by HyperIntelligence cards.
HyperIntelligence cards are objects that host data and display predefined KPIs that are linked with keywords sourced from datasets from the MicroStrategy platform. These cards also seamlessly combine information from multiple business assets and applications.

HITC Newsletter Editors

Dr. Xiaokang Zhou, *Shiga University, Japan*

Dr. Wenjia Li, *New York Institute of Technology, United States*

Dr. Claudio Miceli de Farias, *Federal University of Rio de Janeiro, Brazil*

Dr. Antonio Guerrieri, *ICAR-CNR, Italy*

We sincerely welcome more people to join the new TC for a collaborative effort and exploration to the novel but challenging field in Hyper-Intelligence. Please feel free to promote, and invite your colleagues and friends who are interested in it to apply to join HITC by: https://ieee-hyperintelligence.org/join_us
