



IW-FCV 2023

The 29th International Workshop on Frontiers of Computer Vision
February 20-22, 2023. Yeosu, South Korea

The International Workshop on Frontiers of Computer Vision (IW-FCV) is the exciting chance and place for inter-communication and discussion through many presentations of the advanced researches from the worldwide research communities of computer vision theory, applications, deep learning and big data. The 29th International Workshop on Frontiers of Computer Vision (IW-FCV 2023) will be held on February 20-22, 2023, in Yeosu, South Korea. Yeosu is well known as a city with Hallyeohaesang National Park 'Odongdo', the Ocean Expo in 2012, camellia flowers, 365 beautiful attached islands, and full of culture, art and history, and welcomes you with warm, friendly hospitality and delicious sea food. In addition, we have prepared various sessions and events so that everyone who attends can enjoy it with academic exchanges. All accepted papers will be published in the workshop proceedings. Additionally, expanded and revised versions of a short list of the papers presented at the workshop will be selected for publication in the post-workshop proceedings of IW-FCV2023 as a Springer Communications in Computer and Information Science (CCIS) series after the workshop.

Topics

Topics of interest include all aspects of image processing, computer vision, machine vision, the fundamentals and applications including, but not limited to, the following areas

Fundamentals and Theory

Image filtering, Enhancement, Restoration, Transformation, Stochastic vision, Stereo vision, Scale space analysis, Hough transform, Morphological processing, Image sequence analysis, Image processing architecture, Representation, Color and illumination analysis, Vision geometry, Coding, Error analysis

Computer Vision and Image Analysis

Shape-from-X, Active vision, Image/Scene segmentation, Object detection and tracking, Visual language and description, Deep Learning-based Vision, Machine & semantic learning for computer vision, Integration of deep learning and conventional method, Performance evaluation and dataset

Applications

Image/Video search and retrieval, Video surveillance, AR/VR/MR/HR, Smart factory, Smart healthcare, Intelligent transportation system, Bio-medical image analysis, Smart agriculture, Smart home, Logistics and distribution, Autonomous land vehicle, Intelligent robot

Recognition and Learning

2D object recognition, 3D computer vision, 3D object recognition, Action and behavior recognition, Adversarial learning, face, gesture, body pose estimation, Efficient training and inference methods for networks, Explainable AI, Low-level and physics-based vision, Representation learning, Scene analysis and understanding, Transfer, low-shot, semi- and unsupervised learning, Reinforcement learning

IW-FCV 2023 Time Table

Feb. 19th		
16:00~	Workshop Board Meeting	Utop Marina Hotel & Resort
19:00~	VIP Reception	Utop Marina Hotel & Resort

Feb. 20th		
8:30~	Registration	
9:00~10:40	Oral Session 1	1F Grand Ballroom
10:40~11:00	Coffee Break	
11:00~11:20	Opening Ceremony	1F Grand Ballroom
11:20~12:20	Keynote Speech 1	1F Grand Ballroom
12:20~13:30	Lunch	B1 The Waven
12:20~14:30	Poster Session 1	2F Greenwich Hall
14:30~16:10	Oral Session 2	1F Grand Ballroom
16:10~16:30	Coffee Break	
16:30~18:10	Oral Session 3	1F Grand Ballroom

Feb. 21st		
8:30~	Registration	
9:00~11:00	Oral Session 4	1F Grand Ballroom
11:00~11:20	Coffee Break	
11:20~12:20	Keynote Speech 2	1F

		Grand Ballroom
12:20~13:30	Lunch	B1 The Waven
12:20~14:30	Poster Session 2	2F Greenwich Hall
14:30~16:30	Oral Session 5	1F Grand Ballroom
16:30~16:50	Coffee Break	
16:50~18:10	Oral Session 6	1F Grand Ballroom
18:10~18:30	Coffee Break	
18:30~20:30	Banquet & Award Ceremony	1F Grand Ballroom

Feb. 22nd		
09:00~	Technical Tour	Departure Hotel Main Gate
12:00~	Workshop Board Meeting	Utop Marina Hotel & Resort