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## IW-FCV 2023

The 29<sup>th</sup> 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 29<sup>th</sup> 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

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

<b>Feb. 20th</b>		
8:30~	Registration	
9:00~10:40	Oral 1	1F Grand Ball room
10:40~11:00	Break Time	
11:00~11:20	Opening	1F Grand Ball room
11:20~12:20	Keynote 1	1F Grand Ball room
12:20~13:30	Lunch	B1 The Waven
12:20~14:30	Poster 1	2F Greenwich Hall
14:30~16:10	Oral 2	1F Grand Ball room
16:10~16:30	Coffee Break	
16:30~18:10	Oral 3	1F Grand Ball room

<b>Feb. 21st</b>		
8:30~	Registration	
9:00~11:00	Oral 4	1F Grand Ball room
11:00~11:20	Coffee Break	
11:20~12:20	Keynote 2	1F

		<b>Grand Ball room</b>
<b>12:20~13:30</b>	<b>Lunch</b>	<b>B1 The Waven</b>
<b>12:20~14:30</b>	<b>Poster 2</b>	<b>2F Greenwich Hall</b>
<b>14:30~16:30</b>	<b>Oral 5</b>	<b>1F Grand Ball room</b>
<b>16:30~16:50</b>	<b>Coffee Break</b>	
<b>16:50~18:10</b>	<b>Oral 6</b>	<b>1F Grand Ball room</b>
<b>18:10~18:30</b>	<b>Coffee Break</b>	
<b>18:30~20:30</b>	<b>Banquet &amp; Award Ceremony</b>	<b>1F Grand Ball room</b>

<b>Feb. 22nd</b>		
<b>09:00~</b>	<b>Technical Tour</b>	<b>Departure Hotel Main Gate</b>
<b>12:00~</b>	<b>Workshop Board Meeting</b>	<b>Utop Marina Hotel &amp; Resort</b>