

# CALL FOR PAPERS

## The 29<sup>th</sup> International Workshop on Frontiers of Computer Vision (IW-FCV 2023)

February 20-22, 2023, Yeosu, South Korea

(Utop Marina Hotel, Yeosu)

<https://iwfcv2023.github.io/>



### Overview

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

### Important dates (pending)

#### ✂ Important Dates

- Submission of Paper: January 14, 2023
- Decision Notification: January 29, 2023

- Submission of Camera-ready Paper: February 4, 2023
- Registration Due: February 12, 2023 (Early),  
February 13 - 22, 2023 (Regular/on-site)
- Conference Date: February 20 - 22, 2023

### Publishing and Award

#### 1. Workshop Paper Publishing

All accepted workshop papers will be published in the workshop proceedings of IW-FCV 2023. When submitting a paper (1-8 pages **for short papers**, or 12-15+ pages **for full papers**), authors should refer to format form, which can be downloaded from the IW-FCV 2023 website.

#### 2. Post Workshop paper Publishing

Of the papers presented at the IW-FCV 2023 workshop, some selected papers will be also published, after further revisions, in the Springer Communications in Computer and Information Science (CCIS) series after the workshop. To be considered and selected for Springer CCIS book series publication, authors should submit a **full paper (at least 12 pages in length as springer format)** regardless of whether it was originally submitted as a workshop or poster paper.

#### 3. Paper Awards

The Paper Awards will be distributed during the workshop closing session. Authors should submit as a **full paper** to be eligible for the award.

### Organizing Committee

**General Chairs:** Chilwoo Lee, Chonnam National University, South Korea, Kazuhiko Sumi, Aoyama Gakuin University, Japan

**Program Chairs:** Inseop Na, Chosun University, South Korea / TBD, Japan

### Contact

For more information about workshop, please refer to <https://iwfcv2023.github.io/>.

If you have any questions about CFP, please email Prof. Chilwoo Lee ([leecw@jnu.ac.kr](mailto:leecw@jnu.ac.kr)) or Prof. Inseop Na ([ypencil@chosun.ac.kr](mailto:ypencil@chosun.ac.kr)).

A special discount is provided at the Utop Marina Hotel for conference participants. See more information at Homepage Venue menu