



International Workshop on

# Face and Gesture Analysis for COVID-19

<https://fg4covid19.github.io/>

Held in conjunction with FG 2021



## CALL FOR PAPERS – FG4COVID19

Since the end of 2019, the whole world has been living with the effects of the COVID-19 disease. Due to the airborne nature of the novel coronavirus, the COVID-19 disease has spread rapidly in many countries in a short time and has also been declared a global pandemic. Several preventive measures were implemented to reduce the spread of this disease, including social distancing, wearing face masks, avoiding large crowds, and others.

To help monitor public behavior and compliance with the implemented prevention measures, to gather reliable data for epidemiological models, facilitate authorized access and authentication, ensure safety and security despite the COVID-19 pandemic, it is critical to develop automated machine learning and computer vision based techniques that can help with these tasks. The COVID-19 pandemic has initiated research and development of computer-aided systems that can be used to prevent and monitor not only COVID-19 but also similar diseases that may appear in the future.

The goal of this workshop is to present the most recent and advanced work related to face and gesture analysis in the scope of COVID-19. We are interested in all COVID-19 related studies that focus on the detection of face mask, subjects' behaviors in public areas, analysis of pandemic and preventions-related real-world face and gesture data, prevention control and monitoring systems for unconstrained real-world conditions and related problems. Topics of interest include, but are not limited to:

- Face mask detection,
- Masked face detection and recognition,
- Face-hand interaction detection,
- COVID-19 monitoring and control systems related to face and gesture analysis,
- Social distance tracking and control systems,
- Dataset bias analysis on COVID-19 datasets (face mask, face-hand, social distance,...),
- Face, gesture and body analysis for monitoring intervention-measure compliance,
- Behavior understanding relevant for COVID-19,
- Analysis of social interactions relevant to COVID-19,
- Soft-biometric analysis on masked faces (age, gender, ...),
- Generative models relevant in the scope of COVID-19,
- Novel datasets and performance benchmarks,
- Related applications.

### Paper Submission

Accepted papers will be published in the "Proceedings of FG 2021" and included in IEEE Xplore.

Selected papers from the first submission round will be invited to submit extended versions of their work to a special issue organized in the Image and Vision Computing Journal.

### IMPORTANT DATES

Paper submission deadline(round 1):

**July 31<sup>th</sup>, 2021**

Paper submission deadline(round 2):

**September 28<sup>th</sup>, 2021**

### Organizers

Hazım Kemal Ekenel

Fevziye İrem Eyiokur

Muhammad Imran

Ferda Ofli

Alperen Kantarcı

Vitomir Štruc

Alexander Waibel

### Co-Organizer

European Association  
for Biometrics (EAB)

### Keynote Speakers

Naser Damer,

Fraunhofer IGD, Germany

Albert Ali Salah,

Utrecht University, The Netherlands