

Call for Contributions

Submission:

1. Inform the Chairs: with the Title of your Contribution

2. Submission URL:

<https://www.ariasubmit.org/conferences/submit/newcontribution.php?event=VISUAL+2019+Special>

Please select Track Preference as **ViT**

Special track

ViT - Visual Tracking: Models, Methods and Applications

Chair and Organizer

Dr. Vittoria Bruni, Researcher, Sapienza - Rome University, Department of Basic and Applied Sciences for Engineering, Italy

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Co-Organizer

Dr. Domenico Vitulano, Researcher, National Research Council of Italy, Institute of Calculus Applications “Mauro Picone”, Rome, Italy

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along with

VISUAL 2019, The Fourth International Conference on Applications and Systems of Visual Paradigms

June 30, 2019 to July 04, 2019 - Rome, Italy

<https://www.aria.org/conferences2019/VISUAL19.html>

Visual tracking is a fundamental topic in Computer Vision having several applications. Effective tracking in a complex environment is a challenging task, especially for real-time applications as automated video surveillance, traffic monitoring, motion-based recognition, video indexing, human–computer interaction, vehicle navigation, sentiment analysis, biometry, image forensics.

As the literature of the last decade shows, embedding Human Visual System (HVS) models in image and video processing algorithms is twofold advantageous. On the one hand, it provides a great contribution in terms of effectiveness, precision, computing time, automation; on the other, it offers new ways of analysis, processing and knowledge.

Eye movement is actually a widely investigated topic in neurology and in vision research since it represents the basis of perceptual learning and gives information on the way the brain codes visual information, reacts to visual stimuli, learns from what it sees, selects what is important in a visual scenario. On the other hand, neurological studies gave new flour to image and video processing applications since they offered new instruments for processing and understanding visual information.

The aim of this track is to perform a comprehensive tour in visual tracking: from the brain to the screen and back. This tour includes recent results in human vision modeling, computational methods in neuroscience, video processing and video-based applications.

Topics include, but not limited to:

- Object tracking
- Human gesture recognition and tracking
- Eye tracking
- Video-based iris tracking
- Sentiment analysis
- Image and video quality assessment

- Saliency maps
- Computational methods in neurophysiology
- Computational methods for real time visual tracking
- Assistive technologies for visually impaired people

Important Datelines

- Inform the Chair (see Contacts below): as soon as you decided to contribute
- Submission: May 4, 2019
Notification: May 24 2019
Registration: June 3, 2019
Camera-ready: June 3, 2019

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.aria.org]
- Presentations: slide only [slide-deck posted on www.aria.org]
- Demos: two pages [posted on www.aria.org]

Paper Format

- See: <http://www.aria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.aria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.aria.org/registration.html>

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