

# CALL FOR PAPERS

# QCAV2021



Quality Control by Artificial Vision  
May 12-14, 2021 Tokushima, JAPAN  
(QCAV2021 might be held online)

The objective of the **QCAV2021** conference is to provide a forum for researchers, engineers, suppliers and users working in the artificial vision fields. With an emphasis on quality control, the attendees at the conference present and discuss the state-of-the-art in artificial vision, which includes traditional image processing techniques, artificial intelligence, 2-D and 3-D vision sensors, and various applications. The committee will be closely monitoring the situation of COVID-19 and will make the final decision to hold the online / on-site conference by the end of December.

The proceedings of the conference will be published by **SPIE Digital Library**.

## Topics

Papers describing novel theoretical, experimental, and applied work in image processing and computer vision for quality control are welcomed. Papers are solicited from, but not limited to, the following categories:

- Image Acquisition, Vision Sensors, Machine Vision
- 3D Machine Vision (stereovision, laser triangulation, multi-cameras)
- Non-destructive Testing and Metrology
- Process Automation, Characterization and Control
- Non Conventional Imaging (holography, polarimetric, light-field and plenoptic imaging)
- Image Analysis, Geometrical Description, Segmentation
- Low-level Vision and Image Processing, Hardware and Real Time Processing
- Optical, Electron, X-ray, Ultrasound, TeraHertz and Others Imaging Modalities
- Machine Learning, Deep Learning, Intelligence Amplification
- Adversarial Learning, Image Synthesis, Image Generation, Image-to-Image Translation
- Human Analysis and Human Computer Interaction
- XR (VR, MR, AR)
- Video Understanding, Spatio-temporal Image Processing
- Computational Photography
- Vision for Autonomous Vehicles, Automatic Guided Vehicles, Robots, Unmanned Ground and Aerial Vehicle

## Important Dates

- Deadline for abstract submission (2 pages) : **November 9, 2020**
- Acceptance notification : **December 23, 2020**
- Deadline for paper submission in proceedings : **March 31, 2021**
- Full paper review feedback : **April 30 – May 8, 2021**
- Final paper submission : **June 1, 2021**

## Submission Guidelines

QCAV2021 authors will submit their manuscripts via the SPIE portal.

See : <http://www.tc-iaip.org/qcav/2021/submission.html>

## Conference Venue

PARK WESTON Hotel & Wedding  
3-1-22, Minamimaekawa-cho, Tokushima, Japan

## Sponsor

Technical Committee on Industrial Application of Image Processing,  
Japan Society for Precision Engineering (JSPE)

## History of Past Conferences

2019: France (Mulhouse), 2017: Japan (Tokyo), 2015: France (Le Creusot), 2013: Japan (Fukuoka), 2011: France (Saint Etienne), 2009: Austria (Wels), 2007: France (Le Creusot), 2005: Japan, (Nagoya), 2003: USA (Gatlinburg), 2001: France (Le Creusot), 1999: Canada (Trois-Rivières), 1998: Japan (Kagawa), 1993-95-97: France (Le Creusot)

## Committee

### General Chair

Kenji Terada, Japan  
Christophe Cudel, France  
Jean-José Orteu, France

### Program Chair

Akio Nakamura, Japan  
Philippe Bolon, France  
Fabrice Meriaudeau, France  
Olivier Aubreton, France

### Steering Committee

Philippe Bolon, France  
Rin-ichiro Taniguchi, Japan  
Fabrice Meriaudeau, France  
Hiroyasu Koshimizu, Japan  
Olivier Aubreton, France  
Kazunori Umeda, Japan  
Alain Chalifour, Canada  
Vincent Paquit, USA  
Minori Noguchi, Japan  
Hajime Nagahara, Japan  
Fathallah Nouboud, Canada  
Yvain Quéau, France  
Yann Gavet, France  
Danielle Nuzillard, France

### Program Committee

#### Publication Chair

Takashi Komuro, Japan  
Tsuyoshi Shimizu, Japan

#### Publicity Chair

Hironori Takimoto, Japan

#### Member

Takuya Akashi, Japan  
Shuichi Akizuki, Japan  
Hirokatsu Kataoka, Japan  
Toru Kurihara, Japan  
Masashi Nishiyama, Japan  
Gosuke Ohashi, Japan  
Wataru Ohya, Japan  
Masashi Toda, Japan  
Nobuyuki Umez, Japan

### Executive Committee

#### Chair

Hiroyuki Ukida, Japan  
Masafumi Miwa, Japan

#### Member

Minoru Fukumi, Japan  
Masami Shishibori, Japan  
Stephen Karunagru, Japan  
Hiroyuki Mitsuhashi, Japan  
Shinichi Ito, Japan  
Momoyo Ito, Japan

#### Adviser

Kenji Kita, Japan

### Technical Committee

Hisashi Aomori, Japan  
Hiroomi Aoki, Japan  
Kimiya Aoki, Japan  
Nestor Arana-Arexolaleiba,  
Spain

Laurent Autrique, France  
Stéphane Bazeille, France  
Pierre Beausery, France  
Sylvie Chambon, France  
Johan Debayle, France  
Hilda Deborah, Norway  
Koichiro Enomoto, Japan  
Manuel Flury, France  
David Pofi, France  
Takayuki Fujiwara, Japan  
Hironorbu Fukai, Japan  
Mitsuhiro Hayase, Japan  
Masaki Hayashi, Japan  
Jun-ichiro Hayashi, Japan  
Ariane Herbulot, France  
Makoto Hirose, Japan  
Ernest Hirsch, France  
Igor Jovancevic, France  
Naoshi Kaneko, Japan  
Ryosuke Kawanishi, Japan

Yoshinori Kobayashi, Japan  
Sophie Kohler, France  
Hirosi Koyasu, Japan  
Pierre-Jean Lapray, France  
Denis Laurendeau, France  
Ludovic Macaire, France  
Franck Marzani, France  
Eiichi Momma, Japan  
Romuald Mosqueron,  
Switzerland

Tsuyoshi Nagato, Japan  
Kurt Niel, Austria  
Kozo Ohtani, Japan  
Yann Quinsat, France  
Noël Richard, France  
Takeshi Saitoh, Japan  
Jyunya Sato, Japan  
Junichi Sugano, Japan  
Hidenori Takauji, Japan  
Kenji Terabayashi, Japan  
Céline Teulière, France  
Kensuke Tobitani, Japan  
Alain Trémeau, France  
Sylvie Treuillet, France  
Jean-Philippe Urban, France  
Nicolas Verrier, France  
Hiromi Watanabe, Japan  
Jonathan Weber, France  
Tomoyuki Yamaguchi, Japan  
Osamu Yamaguchi, Japan  
Atsushi Yamashita, Japan  
Yuichiro Yoshimura, Japan



<http://www.tc-iaip.org/qcav/2021/>