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Twelfth International Conference on Quality Control by Artificial Vision

**Fabrice Meriaudeau
Olivier Aubreton**
Editors

**3–5 June 2015
Le Creusot, France**

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Introduction

Researchers from the Le2i, Laboratory of Electronics, Computer Science and Computer Vision (France), Le Creusot, are proud to host the Twelfth International Conference on Quality Control by Artificial Vision in Le Creusot. Since its launch in 1993, where the first edition was held in Le Creusot, the conference has traveled worldwide. It has been organized in the following places: Le Creusot, France in 1995, 1997, 2001, 2007; Japan in 1998, 2005 and 2013; Canada in 1999; the United States in 2003; Austria 2009, and Saint Étienne, France in 2011. QCAV is now back for its twentieth International anniversary to the city where it was born.

This year, in parallel with the conference, two workshops were held. One dealt with photometric stereo (organized by J. R. Durou and Y. Quéau), and one related to the applications of thermography in inspection context (organized by L. Autrique and L. Pérez).

Thus as a whole, fifty-six papers were selected from among seventy-eight submissions by the International Committee (seven of which were from the poster session) from: Austria, Australia, Qatar, France, Japan, Pakistan, United Kingdom, Spain, Columbia, Germany, Greece, India, Luxembourg, Morocco, Peru, Belgium, Sri Lanka, Saudi Arabia, Mexico, and Italy.

This year, the conference was honored with the presence of three renowned guest speakers: Prof. François Goudail, Graduate School (France) Prof. E. Trucco, University of Dundee (Scotland) and Prof. J. Chanussot, GIPSA-Laboratory Grenoble, Institut Universitaire de France (France), who delivered a talk in each of our main tracks: Non Conventional Imaging Systems, *Track Chair C. Stolz (France)*, Machine Vision, *Track Chair K. Niel (Austria)*, and Computer Aided Diagnosis, *H. Mueller (Switzerland)*.

It is also our pleasure to announce a special issue of the Journal of Electronic Imaging published by SPIE, with guest editors Assoc. Prof. A. S. Malik, Universiti Teknologi Petronas (Malaysia) and Prof. F. Meriaudeau, Le2i, Université de Bourgogne (France), dedicated to QCAV and featuring selections based on the best papers presented at the conference, among other submissions.

We also would like to thank our partners and sponsor for the support of this conference: Le Site du Creusot; IUT Le Creusot et Centre Universitaire Condorcet (France); Université de Bourgogne (France); CNRS (France); La Ville du Creusot (France); La communauté Urbaine Creusot-Montceau (France); and Conseil Régional de Bourgogne (France).

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