Where Computer Vision Meets Art (Munich, 8-14 Sep 18)

Munich, Sep 09, 2018
Deadline: Jul 9, 2018

Leonardo Impett

Call for Papers
VISART IV "Where Computer Vision Meets Art"

4th Workshop on Computer VISion for ART Analysis
In conjunction with the 2018 European Conference on Computer Vision (ECCV),
Cultural Center (Kulturzentrum Gasteig), Munich, Germany

Following the success of the previous editions of the Workshop on Computer VISion for ART Analysis held in 2012, 2014 and 2016, we present the VISART IV workshop, in conjunction with the 2018 European Conference on Computer Vision (ECCV 2018). VISART will continue its role as a forum for the presentation, discussion and publication of computer vision techniques for the analysis of art. In contrast with prior editions, VISART IV will expand its remit, offering two tracks for submission:

1. Computer Vision for Art - technical work (standard ECCV submission, 14 page excluding references)
2. Uses and Reflection of Computer Vision for Art (Extended abstract, 4 page, excluding references)

The recent explosion in the digitisation of artworks highlights the concrete importance of application in the overlap between computer vision and art; such as the automatic indexing of databases of paintings and drawings, or automatic tools for the analysis of cultural heritage. Such an encounter, however, also opens the door both to a wider computational understanding of the image beyond photo-geometry, and to a deeper critical engagement with how images are mediated, understood or produced by computer vision techniques in the 'Age of Image-Machines' (T. J. Clark). Whereas submissions to our first track should primarily consist of technical papers, our second track therefore encourages critical essays or extended abstracts from art historians, artists, cultural historians, media theorists and computer scientists.

The purpose of this workshop is to bring together leading researchers in the fields of computer vision and the digital humanities with art and cultural historians and artists, to promote interdisciplinary collaborations, and to expose the hybrid community to cutting-edge techniques and open problems on both sides of this fascinating area of study.

This one-day workshop in conjunction with ECCV 2018, calls for high-quality, previously unpublished, works related to Computer Vision and Cultural History. Submissions for both tracks should conform to the ECCV 2018 proceedings style. Papers must be submitted online through the CMT submission system at:

https://cmt3.research.microsoft.com/VISART2018/

and will be double-blind peer reviewed by at least three reviewers.

TOPICS include but are not limited to:

- Art History and Computer Vision
- 3D reconstruction from visual art or historical sites
- Artistic style transfer from artworks to images and 3D scans
- 2D and 3D human pose estimation in art
- Image and visual representation in art
- Computer Vision for cultural heritage applications
- Authentication Forensics and dating
- Big-data analysis of art
- Media content analysis and search
- Visual Question & Answering (VQA) or Captioning for Art
- Visual human-machine interaction for Cultural Heritage
- Multimedia databases and digital libraries for artistic and art-historical research
- Interactive 3D media and immersive AR/VR environments for Cultural Heritage
- Digital recognition, analysis or augmentation of historical maps
- Security and legal issues in the digital presentation and distribution of cultural information
- Surveillance and behaviour analysis in Galleries, Libraries, Archives and Museums

INVITED SPEAKERS

- Peter Bell (Professor of Digital Humanities - Art History, Friedrich- Alexander University Nüremberg)
- Bjorn Ommer (Professor of Computer Vision, Heidelberg)
- Eva-Maria Seng (Chair of Tangible and Intangible Heritage, Faculty of Cultural Studies, University of Paderborn)
- More speakers TBC

IMPORTANT DATES
Full & Extended Abstract Paper Submission: July 9th 2018
Notification of Acceptance: August 3rd 2018
Camera-Ready Paper Due: September 21st 2018
Workshop: 9th September 2018

PROGRAM COMMITTEE

To be confirmed.

ORGANIZERS:
Alessio Del Bue, Istituto Italiano di Tecnologia (IIT)
Leonardo Impett, EPFL & Biblioteca Hertziana, Max Planck for Art History
Stuart James, Istituto Italiano di Tecnologia (IIT)
Peter Hall, University of Bath
Joao Paulo Costeira, ISR, Instituto Superior Técnico
Peter Bell, Friedrich-Alexander University Nüremberg

Reference:
CFP: Where Computer Vision Meets Art (Munich, 8-14 Sep 18). In: ArtHist.net, Apr 21, 2018 (accessed Nov 28, 2026), <https://arthist.net/archive/17933>.