

CVCS 2018 - List of contributions

Key notes

Holly Rushmeier	Material Appearance Issues in Cultural Heritage
Michael Felsberg	Online Machine Learning for Robot Vision
Marcelo Bertalmío	From vision models to cinema applications, and back

List of accepted papers

<p>Evaluation of Gamut Mapping Algorithms in different Uniform Colour Spaces <i>Baiyue Zhao*</i>, Zhejiang University; <i>Lihao Xu</i>, Zhejiang University; <i>Ming Ronnier Luo</i>, Zhejiang University; <i>Muhammad Safdar</i>, COMSATS Institute of Information Technology</p>
<p>Novel Approach to Uniformization of a Color Space via Generic Deep Learning-Based Transformation <i>Oleksii Sidorov*</i>, University of Granada</p>
<p>Predictable reflection samples for Sparkle measurements <i>Marcel Pastuszek*</i>, Physikalisch Technische Bundesanstalt; <i>Thomas Weimann</i>, Physikalisch Technische Bundesanstalt; <i>Peter Hinze</i>, Physikalisch Technische Bundesanstalt; <i>Tatjana Quast</i>, Physikalisch Technische Bundesanstalt; <i>Alfred Schirmacher</i>, Physikalisch Technische Bundesanstalt</p>
<p>Deep learning for dehazing: Benchmark and analysis <i>Leonel Cuevas Valeriano*</i>, NTNU; <i>Jean Baptiste Thomas</i>, NTNU; <i>Alexandre Benoit</i>, Listic-Université de Savoie</p>
<p>Colour-to-Greyscale Image Conversion by Linear Anisotropic Diffusion of Perceptual Colour Metrics <i>Ivar Farup*</i>, <i>Marius Pedersen</i>, <i>Ali Alsam</i>, NTNU Norway</p>
<p>Can image quality enhancement methods improve the performance of biometric systems for degraded face images? <i>Xinwei Liu*</i>, Norwegian University of Science and Technology and University of Caen Normandy; <i>Marius Pedersen</i>, NTNU, Gjøvik, Norway; <i>Christophe Charrier</i>, University of Caen Normandy, Caen, France; <i>Patrick Bours</i>, NTNU, Gjøvik, Norway</p>
<p>Hand-crafted vs Deep features: A quantitative study of pedestrian appearance model <i>Mohib Ullah*</i>, NTNU; <i>Ahmed Kedir Mohammed</i>, NTNU; <i>Faouzi Alaya-Chekh</i>, NTNU at Gjøvik, Norway</p>
<p>Melon crack identification and classification using k-means clustering for quality inspection <i>Uldanay Bairam*</i>, NTNU Norway</p>
<p>CEED - A Database for Image Contrast Enhancement Evaluation <i>Azeddine Beghdadi</i>, L2TI Univ. Paris13; <i>Muhammad Ali Qureshi*</i>, Islamia University of Bahawalpur; <i>Bilel Sdiri</i>, L2TI Univ. Paris13; <i>Mohamed Deriche</i>, KFUPM, KSA; <i>Faouzi Alaya-Chekh</i>, NTNU at Gjøvik, Norway</p>
<p>Effects of ambient illuminant on text recognition for UI development <i>Giovanni Pignoni*</i>, NTNU</p>
<p>Statistics of hyperspectral data/image analysis: Entropy Yu-Jung Chen, XLIM, JRU CNRS 7252; <i>Noel Richard*</i>, Université de Poitiers; <i>Hilda Deborah</i>, NTNU; <i>Aurelie Tournie</i>, CRC, NMNH; <i>Anne Michelin</i>, CRC, NMNH; <i>Christine Andraud</i>, CRC, NMNH</p>
<p>A corrected single-constant Kubelka-Munk model for color prediction of pre-colored fiber blends <i>Chun-ao Wei*</i>, Wuhan University; <i>Xiaoxia Wan</i>, Wuhan University; <i>Hang Luo</i>, Wuhan University</p>

<p>Application of spectral statistics to spectral texture discrimination <i>Hilda Deborah*, NTNU</i></p>
<p>Comparison of Mosaic Patterns for Spectral Filter Arrays <i>Davit Gigilashvili*, Jon Yngve Hardeberg, Jean Baptiste Thomas, NTNU Norway</i></p>
<p>Validation of stereo vision based liver surface reconstruction for image guided surgery <i>Andrea Teatini*, The Intervention Centre, Oslo University Hospital, Norway.; Congcong Wang, NTNU; Rafael Palomar, The Intervention Centre, Oslo University Hospital.; Faouzi Alaya-Chekh, NTNU, Gjøvik, Norway; Azeddine Beghdadi, L2TI Univ. Paris13; Bjorn Edwin, The Intervention Centre, Oslo University Hospital.; Ole Jakob Elle, Oslo University Hospital</i></p>
<p>A Key Frame Based Video Summarization using Color Features <i>Muhammad Asim*, Qatar University ; Noor Al-Maadeed, Qatar University; Somaya Al Maadeed, Qatar University; Ahmed Bouridane, Northumbria University; Azeddine Beghdadi, L2TI Univ. Paris13</i></p>
<p>Development of a high fidelity color calibration framework for panoramic image stitching <i>Maliha Ashraf*, Université Jean Monnet</i></p>
<p>Dependence of texture classification accuracy on spectral information <i>Michele Conni*, BARBIERI electronic snc/OHG; Helene Midtjord, NTNU; Peter Nussbaum, NTNU; Phil Green, NTNU</i></p>
<p>Measurement uncertainty for digitally printed textiles <i>Nadile Lima*, NTNU</i></p>
<p>Methods for psychophysical assessment of colour difference by observers with a colour vision deficiency <i>Anne Kristin Kvitle*, Henrik Oddløyken, Phil Green, Peter Nussbaum, NTNU Norway</i></p>
<p>Determining the Sequence of Intersecting Lines in Document Forgery by Colorimetric Evaluation <i>Atefeh Tajik Esmaeili, Institute for Color Science and Technology; Mahdi Safi*, Institute for Color Science and Technology; Maryam Ataefard, Institute for Color Science and Technology</i></p>
<p>A Pilot Study on Iranian Skin Color <i>Majid Ansari-Asl*, UGR; Keivan Ansari, Iranian Institute for Color Science and Technology</i></p>
<p>Spatial dependent white balance for fill flash photography <i>Jon Yngve Hardeberg*, NTNU; Enrique Gurdiel González, COSI</i></p>
<p>Photorealistic Style Transfer <i>Itziar Zabaleta*, Universitat Pompeu Fabra; Marcelo Bertalmío, Universitat Pompeu Fabra</i></p>
<p>Dye purification: an image-processing technique for the digital unfading of chromogenic film <i>Giorgio Trumpy*, University of Zurich; Barbara Flueckiger, University of Zurich</i></p>
<p>CNN Feature Similarity: Paintings Are More Self-Similar at All Levels <i>Seyed Ali Amirshahi*, Norwegian University of Science and Tech; Stella Yu, ICSI</i></p>
<p>Stochastic Correction of Boundary Conditions during Liver Surgery <i>Sergei Nikolaev*, Inria; Igor Peterlik, "Inria, France"; Stephane Cotin, Inria</i></p>
<p>Enhancing dermoscopy images to improve melanoma detection <i>Olga Cherepkova, COSI; Jon Yngve Hardeberg*, NTNU, Norway</i></p>
<p>A Deep Learning-Based Human Activity Recognition in Darkness <i>Md Zia Uddin*, UiO; Jim Torresen, University of Oslo, Norway</i></p>

Final program will be announced soon.