

TextCaps: a Dataset for Image Captioning with Reading Comprehension

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ECCV 2020 (submitted), presented at CVPR 2020 Workshops, ACL 2020 Workshops

Are all the frames equally important?

[Oleksii Sidorov](#), Marius Pedersen, Nam Wook Kim (Harvard), Sumit Shekhar (Adobe Research)
CHI 2020, Late Breaking Works

Generative Smoke Removal

[Oleksii Sidorov](#), Congcong Wang (NTNU), Faouzi Alaya Cheikh (NTNU)
NeurIPS 2019 Workshops, Proceedings of Machine Learning Research (PMLR) Journal

Craquelure As a Graph: Application of Image Processing and Graph Neural Networks to the Description of Fracture Patterns

[Oleksii Sidorov](#), Jon Yngve Hardeberg (NTNU)
ICCV 2019 Workshops

Deep Hyperspectral Prior: Denoising, Inpainting, Super-Resolution

[Oleksii Sidorov](#), Jon Yngve Hardeberg (NTNU)
ICCV 2019 Workshops

Conditional GANs for Multi-Illuminant Color Constancy: Revolution or Yet Another Approach?

[Oleksii Sidorov](#)
CVPR Workshops, 2019, p. 0-0

Changing the Image Memorability: From Basic Photo Editing to GANs

[Oleksii Sidorov](#)
CVPR Workshops, 2019, p. 0-0

Changes in the Visual Appearance of Polychrome Wood Caused by (Accelerated) Aging

[Oleksii Sidorov](#), Jon Hardeberg, Sony George, Joshua Harvey (Oxford), Hannah Smithson (Oxford)
Electronic Imaging 2020, Material Appearance

Overt visual attention on rendered 3D objects

[Oleksii Sidorov](#), Joshua Harvey (Oxford), Hannah Smithson (Oxford), Jon Hardeberg (NTNU)
In submission

Artificial color constancy via GoogleNet with angular loss function

[Oleksii Sidorov](#)
International Journal of Imaging and Robotics, 19(3):1-10, 2019

Novel approach to uniformization of a color space via generic deep learning-based transformation

[Oleksii Sidorov](#)
Proceedings of IEEE Colour and Visual Computing Symposium 2018 (CVCS), pp. 1–4, 2018

Bayesian optimization of artificial neural network for modelling chromaticity discrimination ellipses

[Oleksii Sidorov](#)
WDS'18 Proceedings — Mathematical and Computer Modelling, pp. 62–67, 2018

Image multiplexing with laser-controlled plasmonic colors

N. Destouches, N. Sharma, [O. Sidorov](#), N. Dalloz, C. Hubert, F. Vocanson, M. Hébert
META18 International Conference on Metamaterials, Photonic Crystals and Plasmonics

Spectral characteristics of silver nanoparticles in polyacrylamide matrix in the presence of berberine molecules

[O. Sidorov](#), N. Bashmakova, N. Kutsevol, V. Chumachenko
Molecular Crystals and Liquid Crystals

Spectral properties of novel fluorophores synthesized from citric acid and their solutions with DNA

[O.O. Sidorov](#), N.V. Bashmakova, V.M. Yashchuk, W. Kasprzyk, S. Bednarz, D. Bogdal
WDS'16 Proceedings of Contributed Papers — Physics, 233–238, 2016