

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

[Oleksii Sidorov](#), Jon Yngve Hardeberg (NTNU)
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Deep Hyperspectral Prior: Denoising, Inpainting, Super-Resolution

[Oleksii Sidorov](#), Jon Yngve Hardeberg (NTNU)
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Conditional GANs for Multi-Illuminant Color Constancy: Revolution or Yet Another Approach?

[Oleksii Sidorov](#)
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Changing the Image Memorability: From Basic Photo Editing to GANs

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

[Oleksii Sidorov](#), Jon Hardeberg, Sony George, Joshua Harvey (Oxford), Hannah Smithson (Oxford)
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Overt visual attention on rendered 3D objects

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Artificial color constancy via GoogleNet with angular loss function

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

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Bayesian optimization of artificial neural network for modelling chromaticity discrimination ellipses

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Image multiplexing with laser-controlled plasmonic colors

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

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Molecular Crystals and Liquid Crystals

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

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