

MANUEL LAGUNAS

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PUBLICATIONS

- In-the-wild Material Appearance Editing using Perceptual Attributes

J. D. S. and Manuel Lagunas

[To appear] *Computer Graphics Forum (CGF, 2023), Proc. Eurographics*

- A Generative Framework for Image-based Editing of Material Appearance using Perceptual Attributes

J. D., Manuel Lagunas, J. C., B. M., and D. G.

Computer Graphics Forum (CGF, 2022), Proc. Pacific Graphics

- Full-body Single-image Human Relighting

Manuel Lagunas, X. S., J. Y., R. V., J. Z., B. M., and D. G.

Eurographics Symposium on Rendering (EGSR, 2021)

- The Joint Role of Geometry and Illumination on Material Recognition

Manuel Lagunas, A. S., D. G., and B. M.

Journal of Vision (JoV) Vol.21, 2 (2021)

- The Role of Objective and Subjective Measures in Material Similarity Learning

J. D., Manuel Lagunas, I. G., D. G., A. S., R. F., and B. M.

ACM SIGGRAPH Posters, 1-2 (2020)

- A Similarity Measure for Material Appearance

Manuel Lagunas, S. M., A. S., E. G., D. G., and B. M.

ACM Transactions on Graphics 38.4 (TOG, 2019), Proc. SIGGRAPH

- The Effect of Motion on the Perception of Material Appearance

R. M., Manuel Lagunas, B. M., and D. G.

ACM Symposium on Applied Perception (SAP, 2019)

- Learning Icons Appearance Similarity

Manuel Lagunas, E. G., and D. G.

Multimedia Tools and Applications (MTApp, 2019)

- Transfer Learning for Illustration Classification

Manuel Lagunas, and E. G.

Spanish Computer Graphics Conference (CEIG, 2017)

REVIEWING TASKS

- [2023] SIGGRAPH, CVPR, ICCV

- [2022] CVPR, TVCG, ECCV

- [2021] ICCV, Computers & Graphics

- [2020] SIGASIA, EG, PG

- [2019] TOG, CVMC

PATENTS

- End-to-end Relighting of a Foreground Object of an Image (Approved: US11380023B2)

EXPERIENCE

- Amazon Spain - Applied Scientist

Jan 2022 – Current

- Deep learning for automatic attribute detection

- Adobe Research - Research intern

Jun 2020 – Dec 2020

- Image-based relighting for full-body humans

- Adobe Research - Research intern

Jun 2019 – Oct 2019

- Rendering of full-body humans

- Freelance Consultant

Jul 2018 – Aug 2018

- Stock predictions with recurrent CNNs

- GILab - Undergrad researcher

Oct 2016 – Sept 2017

- Transfer learning for non-photorealistic images

- Ibercentro Media - Software engineer intern

Jun 2015 – Oct 2015

- Spanish text fact extraction with NLP

EDUCATION

- PhD Computer Graphics and Machine Learning (Cum Laude)

Universidad de Zaragoza, Spain

Oct 2017 – Dec 2021

- Title: *Learning Visual Appearance: Perception, Modeling and Editing*

- MSc Applied Mathematics

Universidad de Zaragoza, Spain

Oct 2016 – Oct 2017

- BEng Computer Science

Universidad de Zaragoza, Spain

Oct 2012 – Oct 2016

RESEARCH ACTIVITIES

Invited talks

- Universidad de Zaragoza - 2022

- Amazon - 2021

- New York University (NYU) - 2021

- Università della Svizzera italiana (USI) - 2021

- The Skin of Things II - 2021

Summer schools

- Deep Bayes Summer School - 2018

- DS3 Data Science Summer School - 2018