

Ali Bozorgian

Gender: Male
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Education

- October 2020 – Present **Ph.D. in Computer Science, Norwegian University of Science and Technology, Norway**
Thesis: Contrast sensitivity in the peripheral vision for color imaging
Supervisors: Marius Pedersen, Jean-Baptiste Thomas
- Fall 2017 – Spring 2020 **M.Sc. in Color Science, Amirkabir University of Technology, Tehran, Iran**
Thesis: Evaluation and modification of the chromatic adaption transforms
- Fall 2013 - Summer 2017 **B.Sc. in Color Technology and Polymer Engineering, Amirkabir University of Technology, Tehran, Iran**

Experience

- August 2023 – to December 2023 **Camera Algorithm Engineer Intern, Apple, Cambridge, United Kingdom**
- April 2023 – August 2023 **Visiting Ph.D. Student, University of Cambridge, Department of Computer Science, United Kingdom**
Topic: Mathematical modeling of the spatiotemporal contrast sensitivity function
Supervisor: Rafal Mantiuk
- Fall and Winter 2019 **Laboratory Instructor, Color Physics Laboratory, Amirkabir University of Technology, Iran**

Honors and Awards

Ranked 9 in National Entrance Exam (Konkour) for graduate studies, awarded full scholarship to study at Amirkabir University of Technology

Ranked among the top 1% of all 250000 Participants in The National Entrance Exam (Konkour) and was awarded the full undergraduate scholarship to study at Amirkabir University of Technology

Language Skills

English: Fluent, Norwegian: Basic Fluency

Publications

- Modification and evaluation of the peripheral contrast sensitivity function models**, Aliakbar Bozorgian, Marius Pedersen, and Jean-Baptiste Thomas, Journal of the Optical Society of America A (2022)
- The effect of peripheral contrast sensitivity functions on the performance of the foveated wavelet image quality Index**, Aliakbar Bozorgian, Marius Pedersen, and Jean Baptiste Thomas, London Imaging Meeting (2022)
- Spatiotemporal contrast sensitivity models: predictions for critical flicker frequency**, Aliakbar Bozorgian, Maliha Ashraf, Rafal Mantiuk, HVEI (2024)
- Subjective quality assessment of foveated omnidirectional images in virtual reality**, Aliakbar Bozorgian, Marius Pedersen, Jean-Baptiste Thomas, Mohammad Chaker-Larabi, In preparation

Computer and Technical Skills

Programming Skills MATLAB, Python, C#

Software Unity, Psychtoolbox, Psychopy

Laboratory Instruments Colorimeters and spectrophotometers (Konica Minolta and X-Rite)

Online Courses

Machine Learning by Stanford University

Sensory Systems by MIT OPEN COURSEWARE

Visual Perception and the Brain by Duke University