

Saghi Hajisharif

Linköping University
Department of Science and Technology
Norrköping, Sweden

saghi.hajisharif@liu.se
Phone: +46 700896094

Research Interests

Computational Photography, HDR Imaging, Real-time Rendering
Light Field Capturing and Reconstruction and Image Based Lighting

Education

Linköping University, Norrköping, Sweden

Ph.D., Visualization and Media Technology, 2013-June 2019.

Field: Computational Photography and Photo-realistic Imaging

Linköping University, Norrköping, Sweden

M.sc., Advanced Computer Graphics, 2010-2013.

Thesis: Real-time image based lighting with streaming HDR-light
probe sequences

Amirkabir University of Technology, Tehran, Iran

B.sc., Computer Science, 2005-2009.

Publications

High Dynamic Range Video:

From Acquisition to Display and Applications

Editors: Fredric Dufaux, Patrick Le Callet, Rafal K.Mantiuk, Marta Mrak

Chapter 2, Unified Reconstruction of RAW HDR Video Data. 2016

Authors: Jonas Unger, Saghi Hajisharif, Joel Kronander

Adaptive dualISO HDR reconstruction

Saghi Hajisharif, Joel Kronander, Jonas Unger

Eurasip Journal on Image and Video Processing 2015

HDR reconstruction for alternating gain (ISO) sensor readout

Saghi Hajisharif, Joel Kronander, Jonas Unger

Eurographics 2014

Real-time image based lighting with streaming HDR-light probe sequences

Saghi Hajisharif, Joel Kronander, Ehsan Miandji, Jonas Unger

SIGRAD 2012

Collaborations and Visits

University of Southern California

Exchange Researcher at USC Institute for Creative Technologies, ICT

Project: Automultiscopic Projector Array , 2015

Work Experience	ITN, Linköping University Research Engineer, 2012-2013 Project: Node-based Framework for HDR Image Processing: Image and video Capturing , Reconstruction and Tone-mapping	
Teaching	ITN, Linköping University Teacher assistant, Advance Programming in C++ (TNG033), 2013-2017 Teacher assistant, Intro Programming in C++ (TND012), 2013-2018 Teacher assistant, Programming in C++ (TND004), 2018 Teacher assistant, Image Processing (TNM087), 2015-2018 Teacher assistant, Introduction to Computer Graphics (ACG), 2013	
Skills	C++, Matlab, Python, OpenGL, GLSL, CUDA(familiar), Qt, Keras, Tensorflow(familiar)	
Languages	Persian (native), English (advanced), Swedish(intermediate)	
Supervisors	Jonas Unger ITN Linköping University jonas.unger@liu.se , +46 11 363436	Anders Ynnerman ITN Linköping University anders.ynnerman@liu.se , +46 11 363309