

Dr. Yulia Gryaditskaya

Postdoc, Inria

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Employment

- 02/2017–
present **Inria**, *Sophia Antipolis, France*, Post doctoral researcher.
Advisor: Dr. Adrien Bousseau
- 04/2014 – **Technicolor R & D**, *Rennes, France*, Research Internship.
09/2014 Advisor: Dr. Erik Reinhard
- 11/2012 – **Max Planck Institute for Informatics**, *Saarbrücken, Germany*, Ph.D candidate.
12/2016 Supervisors: Dr. Erik Reinhard, Prof. Dr-inż. Karol Myszkowski, Prof. Dr. Hans Peter-Seidel

Education

- 11/2012 – **Ph.D. in Computer Graphics and Vision**, *Max Planck Institute for Informatics*,
12/2016 *Saarland University, Saarbrücken, Germany, Magna cum laude.*
Dissertation title: ‘High Dynamic Range Imaging: Problems of Video Exposure Bracketing, Luminance Calibration and Gloss Editing’
- 09/2007 – **Diploma in Applied Mathematics and Computer Science**, *Lomonosov Moscow*
06/2012 *State University, Russia*, Scholarship, *Excellent.*
Thesis title: ‘Truncated sequential quadratic programming method for degenerate optimization problems’ Advised by Prof. Dr. Alexey F. Izmailov

Additional education

- 2000 – 2004 **Art school**, *Zhukovsky, Moscow region, Russia.*

Professional Activities

Reviewer

ACM TOG, Computers & Graphics, Eurographics, Journal of Electronic Imaging, Journal on Image and Video Processing, Multimedia Systems, SIGGRAPH, SIGGRAPH Asia, Transactions on Image Processing

Students

- ongoing **Felix Hähnlein**, (*coadvised with Adrien Bousseau*), Research Internship: ‘Geometric deep learning for sketch understanding’.
- 2018 **Adele Saint-Denis**, (*coadvised with Adrien Bousseau*), Research Internship: ‘Non-photorealistic rendering’.
- 2017 **Marina Menghetti**, (*main adviser Adrien Bousseau*), Research Internship: ‘Strokes extraction from input video’.
- 2015 **Juliette Pelletier**, Engineering Internship: ‘HDR Video Capture on a Mobile Device’.

Tutoring

- 2015, 2016 Realistic Image Synthesis: HDR & Tone Mapping

Summer schools

- 2013 **HDRi summer school**, *COST Action IC1005.*

Publications

Journal publications

- 2015 **Motion Aware Exposure Bracketing for HDR video.**, *Computer Graphics Forum (Proc. EGSR)*.
Y. Gryaditskaya, T. Pouli, E. Reinhard, K. Myszkowski, and H.-P. Seidel.
- 2014 **Sky Based Light Metering for HDR Images.**, *Computer Graphics Forum (Proc. Pacific Graphics)*.
Y. Gryaditskaya, T. Pouli, E. Reinhard, and H.-P. Seidel

Conference publications

- 2016 **Gloss Editing in Light Fields**, *VMV*.
Y. Gryaditskaya, B. Masia, P. Didyk, K. Myszkowski, and H.-P. Seidel.

Patents

- 2017 **Method for generating an HDR image of a scene based on a tradeoff between brightness distribution and motion.**, *US Patent 9,648,251*.
T. Pouli, Y. Gryaditskaya, E. Reinhard

Thesis

- 2016 **High dynamic range imaging: problems of video exposure bracketing, luminance calibration and gloss editing.**
Y. Gryaditskaya

Programming & Software Skills

MatLab, C/C++, HTML/nodejs, Qt, libigl, WebGL, Java, LaTeX, Blender, PBRT, Adobe Photoshop/Illustrator.

Languages

English: fluent
French: intermediate
German: basics
Russian: mother tongue

Personal Interests

Drawing, reading, travelling, sports (biking, running, dancing, yoga, skiing/snowboarding, climbing, skateboarding and a few others).

April 15, 2019