LUCIO AZZARI

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EDUCATION

Tampere University of Technology Nov. 2016
Doctor of Science, Information Technology, Signal Processing

EXPERIENCE

Noiseless Imaging OY Dec. 2016 - Present
Algorithm and software engineer *Tampere, FI*

Developed algorithms for denoising, super-resolution, demosaiking and deblurring. Also responsible of writing the software.

Tampere University Dec. 2016 - Present
Postdoctoral researcher *Tampere, FI*

Postdoctoral researcher on Signal Processing: main focus on noise modeling, noise estimation and denoising.

Tampere University of Technology Jan. 2012 - Nov. 2016
Doctoral student *Tampere, FI*

Under the supervision of Prof. Alessandro Foi, I got my Ph.D. in Signal Processing. The focus of my research work has been signal-dependant noise modeling and noise estimation, denosing, and deblurring.

Tampere University of Technology and Nokia Research Center Sept. 2011 - Dec. 2011
Researcher *Tampere, FI*

3D structure reconstruction from multiple videos: a joint project between Tampere University of Technology and Nokia Research Center.

Tampere University of Technology Oct. 2009 - Jul. 2011
Researcher *Tampere, FI*

EU-funded project 'Mobile 3DTV': rendering of stereo videos, mainly addressing the problems of occlusion and disocclusions.

TECHNICAL STRENGTHS

Fields of expertise

- Noise estimation
- Denoising
- Deblurring
- Demosaiking
- Sparse representation
- Data representation and transformation
- Variance stabilization
- Medical imaging processing

- Deep learning: emphasis on convolutional neural networks (CNN).

Programming Languages

- Python

- C

- Matlab

- HTML and CSS

LANGUAGES

Mother tongue: Italian
Other languages:

- English, C1-C2 level according with the *European self-assessment.*

- Finnish, A1-A1 basic level of understanding.