PHONG HA NGUYEN

https://phongnhhn.info/
phong.nguyen@oulu.fi
https://github.com/phongnhhn92

RESEARCH BACKGROUND

- 3D Machine Vision and Machine Learning
- Deep learning based approaches for novel view synthesis, neural rendering
- Deep generative model

EDUCATION

University of Oulu, Finland *Sep 2018 - present*
Ph.D in Computer Science and Engineering

Dongguk University, South Korea *Sep 2016 - August 2018*
Master of Electronics and Electrical Engineering

Ha Noi University of Science and Technology, Viet Nam *Sep 2010 - August 2015*
Bachelor in Mechatronics Engineering

TECHNICAL SKILLS

Programming: Python, C/C++
Software & Tools: Pytorch, Tensorflow, OpenCV, Github

WORK EXPERIENCE

PhD Student and Research Assistant *Sep 2018 - present*
Advisor: Prof. Janne Heikkila and Prof. Esa Rahtu
Center for Machine Vision and Signal Analysis, University of Oulu, Oulu, Finland

Research Intern *May 2021 - November 2021*
Advisor: Nikolaos Sarafianos
Facebook Reality Labs Research

Ms Student and Research Assistant *Sep 2016 - August 2018*
Advisor: Prof. Kang Ryoung Park
Image Signal Processing & Recognition Lab, Dongguk University, Seoul, South Korea

Junior C++ Developer *Sep 2015 - June 2016*
FPT Software, Ha Noi, Viet Nam

SELECTED PUBLICATIONS

1. **RGBD-Net: Predicting color and depth images for novel views synthesis** *ongoing submission*
   Phong Nguyen-Ha, Animesh Karnewar, Lam Huynh, Esa Rahtu, Jiri Matas, Janne Heikkila
2. **Sequential View Synthesis with Transformer** *ACCV 2020*
   Phong Nguyen-Ha, Lam Huynh, Esa Rahtu, Janne Heikkila
3. **Guiding Monocular Depth Estimation Using Depth-Attention Volume** *ECCV 2020*
   Lam Huynh, Phong Nguyen-Ha, Esa Rahtu, Janne Heikkila
4. **Predicting Novel Views Using Generative Adversarial Query Network** *SCIA 2019*
   Phong Nguyen-Ha, Lam Huynh, Esa Rahtu, Janne Heikkila
   SCIA 2019 Springer *best paper award*

5. **LightDenseYOLO: A Fast and Accurate Marker Tracker for Autonomous UAV Landing by Visible Light Camera Sensor on Drone** *Sensors (2018)*
   Phong Ha Nguyen,Noi Quang Truong, and Kang Ryoung Park

AWARD

- Best paper award at 21st Scandinavian Conference on Image Analysis, Norrkoping, Sweden 2019
- Finalist at Qualcomm Technologies AI Developer Contest 2017

ADDITIONAL LINKS

- Google Scholar
- LinkedIn
- Personal Website