

CHENYANG LU

Faculty of Electrical Engineering and Computer Science
Ningbo University, China

Email: luchenyang1@nbu.edu.cn · cylucn@outlook.com · Phone: +86-19518636851

EXPERIENCE

Ningbo University, Lecturer 2023.05 - Present

- Research direction: artificial intelligence, autonomous driving

EDUCATION

Eindhoven University of Technology, the Netherlands 2018.03 - 2023.01
Ph.D., Computer Science (Artificial Intelligence)

- Funded by Dutch Research Council (NWO)
- Dissertation title: Advances in Perception for Automated Mobile Systems

Eindhoven University of Technology, the Netherlands 2016.08 - 2018.03
M.S., Mechanical Engineering (Control System Technology) GPA: 8.96/10.00

- Granted ALSP/HS scholarship (fully funded)
- Cum Laude (highest in the Netherlands)

Zhejiang University, China 2013.08 - 2017.06
B.S., Mechatronics Engineering GPA: 3.92/4.00

- Mixed Honors Class in Chu Kochen Honors College (Rank 6/188)
- Top 2% out of 79 students in Mechatronics Engineering

PUBLICATIONS

*corresponding author, for citations please see [[Google Scholar](#)]

- **Chenyang Lu***, Daan de Geus (equal contribution), Gijs Dubbelman. **Content-aware Token Sharing for Efficient Semantic Segmentation with Vision Transformers**. 2023 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023.
- **Chenyang Lu***, Gijs Dubbelman. **Self-Supervised Road Layout Parsing with Graph Auto-Encoding**. IEEE Intelligent Vehicles Symposium (IV), 2022.
- **Chenyang Lu***, Gijs Dubbelman. **Towards Self-Supervised Learning of Explainable Scene Graphs for Symbolic Scene Understanding**. In submission.
- Daan de Geus*, Panagiotis Meletis, **Chenyang Lu**, Xiaoxiao Wen, Gijs Dubbelman. **Part-aware Panoptic Segmentation**. 2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2021.
- Panagiotis Meletis*, Xiaoxiao Wen, **Chenyang Lu**, Daan de Geus, and Gijs Dubbelman. **Cityscapes-Panoptic-Parts and PASCAL-Panoptic-Parts datasets for Scene Understanding**. arXiv preprint arXiv:2004.07944.
- **Chenyang Lu***, Gijs Dubbelman. **Semantic Foreground Inpainting from weak supervision**. IEEE Robotics and Automation Letters, vol. 5, no. 2, pp. 1334-1341, 2020. (also presented in ICRA' 20)
- **Chenyang Lu***, Gijs Dubbelman. **Learning to complete partial observations from unpaired prior knowledge**. Pattern Recognition, vol. 107, 107426, 2020.
- **Chenyang Lu***, Marinus Jacobus Gerardus van de Molengraft, Gijs Dubbelman. **Monocular Semantic Occupancy Grid Mapping with Convolutional Variational Encoder-Decoder Networks**. IEEE Robotics and Automation Letters, vol. 4, no. 2, pp. 445-452, 2019. (also presented in ICRA' 19)

PROJECT EXPERIENCE

Sensing, Mapping, and Localization (Project i-CAVE)	2018.03-2021.12
• Funded by Netherlands Organization for Scientific Research (NWO)	
Semantic Occupancy Grid Mapping for Autonomous Vehicles	2017.08-2018.03
• Master Thesis in Mobile Perception Systems Group, TU/e	
Object Recognition and Positioning with the Kinect Camera	2017.01-2017.06
• Internship at Robocup MSL team, Robotics Lab, TU/e	

SERVICES

Reviewer for: IEEE International Conference on Robotics and Automation (ICRA), IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), IEEE Intelligent Vehicles Symposium (IV), Journal of Ambient Intelligence and Humanized Computing, Engineering Applications of Artificial Intelligence (EAAI), IEEE Transactions on Industrial Informatics (T-II), IEEE Robotics and Automation Letters (RA-L)

TEACHING

Bachelor End Project, project supervisor	2020-2022
Advanced Sensing using Deep Learning (5AUA0), project supervisor	2020-2022
Master Graduation Project, project supervisor	2021
Convolutional neural networks for computer vision (5LSM0), TA	2019

AWARDS, SCHOLARSHIP, ACHIEVEMENTS

- 2018 Cum Laude
- 2016 ALSP/HS Scholarship from TU/e and Dutch Ministry of Education, Culture, and Science
- 2016 Festo (China) Scholarship for Undergraduate Students
- 2015 Second Prize in the National Mechanics Competition
- 2015 First Class Scholarship for Outstanding Merits (Top 3% in Zhejiang Univ.)
- 2015 Liebherr (China) Scholarship for Undergraduate Students
- 2014 Second Prize in Physics Innovation Contest in Zhejiang Province
- 2014 First Class Scholarship for Outstanding Merits (Top 3% in Zhejiang Univ.)