

Lien-Minh Dang

+82 10 4999 9742

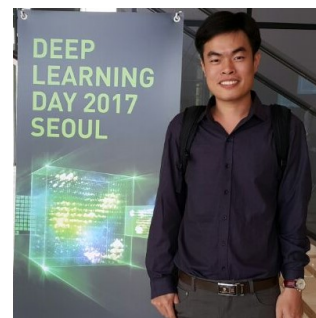
danglienminh93@gmail.com

26th June 1993

https://www.researchgate.net/profile/L_Minh_Dang

<https://github.com/DangLienMinh>

<https://www.linkedin.com/in/lienminh-dang/>



Education

- 03/2017 – 08/2021 **Combined Masters/PhD. Computer Science and Engineering, Sejong University, Seoul, Korea.**
Thesis title. Deep Learning-based Structural Defect Assessment and Contextual Information Analysis for Highly Imbalanced Dataset.
- 09/2011 – 06/2016 **B.Sc. (Hons) Information Systems Engineering, University of Information Technology (UIT), Vietnam National University (VNU).**
First Class Honours. Department prize for outstanding performance.

Employment

- 02/2018 – Present **Server manager.** Manages 4 servers and creates necessary environments for the students to practice (Linux, Java, Oracle, and Mysql).
- 06/2016 – 03/2017 **Teaching assistant.** E-commerce Department, School of Information System, University of Information Technology UIT .
- 04/2015 – 01/2016 **Part-time Ruby on rails developer.** VNITS, Mainly built websites for Vietnam's companies and organizations using Ruby.
- 07/2014 – 10/2014 **Intern** TMA company, Strengthen hand-on experiences and knowledge in the big company environment.



Research Experience

- 03/2017 – Present **Computer vision and pattern recognition lab, Sejong University**
The main research is about computer vision, sequence data processing, and deep learning.
- 10/2014 – 06/2016 **Research assistant in the E-commerce Department.** Involved in a research project, which related to the prediction of the stock market trend using machine learning, natural language processing, and text-mining. Founded the IS research group of the E-commerce department.
- 10/2011 – 10/2012 **Research assistant.** Participated in building an English-Vietnamese Bilingual Corpus.

Skills

- Coding **Python, C + + , PHP, SQL, XML/XSL, NET, C#.NET.**
- Deep learning Lib **Tensorflow and Torch.**
- Database **MySQL, PostgreSQL, HSQL, SQLite.**

Skills (continued)

- Languages  English: Strong reading, writing, and speaking competencies (IELTS 7.0, TOEIC 970)
Korean: Intermediate reading and listening competencies (사회통합프로그램)
Vietnamese: First language.
- Misc.  Academic research, teaching, training, consultation, and \LaTeX typesetting and publishing.

Publication

SCIE journal

- 1 **Dang, L. M.**, Kyeong, S., Wang, H., Li, Y., & Moon, H. (2021). Deep learning-based sewer defect classification for highly imbalanced dataset. *Computers and Industrial Engineering*, 108, 107630 [IF: 5.431, Q1].
- 2 Wang, H., Li, Y., **Dang, L. M.**, & Moon, H. (2021). Robust korean license plate recognition based on deep neural networks. *Sensors*, 21, 12 [IF: 3.576, Q1].
- 3 **Dang, L. M.**, Lee, S., Min, K., & Moon, H. (2020). Tampered and computer-generated face images identification based on deep learning. *Applied Sciences*, 10(2), 505 [IF: 2.679, Q2].
- 4 **Dang, L. M.**, Min, K., Wang, H., Piran, M. J., Lee, C. H., & Moon, H. (2020). Sensor-based and vision-based human activity recognition: a comprehensive survey. *Pattern Recognition*, 108, 107561 [IF: 7.710, Q1].
- 5 **Dang, L. M.**, Syed, I. H., Suhyeon, I., Sangaiah, A., Mehmood, I., Rho, S., ... Moon, H. (2020). Uav based wilt detection system via convolutional neural networks. *Sustainable Computing: Informatics and Systems*, 100250 [IF: 4.028, Q1].
- 6 **Dang, L. M.**, Wang, H., Li, Y., Min, K., Kwak, J. T., Lee, O., ... Moon, H. (2020). Fusarium wilt of radish detection using rgb and near infrared images from unmanned aerial vehicles. *Remote Sensing*, 12(17), 2863 [IF: 4.848, Q1].
- 7 Li, Y., Wang, H., **Dang, L. M.**, Sadeghi-Niaraki, A., & Moon, H. (2020a). A deep learning-based hybrid framework for object detection and recognition in autonomous driving. *IEEE Access*, 8, 194228–194239 [IF: 3.367, Q1].
- 8 Li, Y., Wang, H., **Dang, L. M.**, Sadeghi-Niaraki, A., & Moon, H. (2020b). Crop pest recognition in natural scenes using convolutional neural networks. *Computers and Electronics in Agriculture*, 169, 105174 [IF: 5.565, Q1].
- 9 Wang, H., Li, Y., **Dang, L. M.**, Ko, J., Han, D., & Moon, H. (2020). Smartphone-based bulky waste classification using convolutional neural networks. *Multimedia Tools and Applications*, 79(39), 29411–29431 [IF: 2.757, Q2].
- 10 **Dang, L. M.**, Hassan, S. I., Im, S., & Moon, H. (2019). Face image manipulation detection based on a convolutional neural network. *Expert Systems with Applications*, 129, 156–168 [IF: 6.954, Q1].
- 11 **Dang, L. M.**, Piran, M., Han, D., Min, K., & Moon, H. (2019). A survey on internet of things and cloud computing for healthcare. *Electronics*, 8(7), 768 [IF: 2.397, Q2].
- 12 Hassan, S. I., **Dang, L. M.**, Mehmood, I., Im, S., Choi, C., Kang, J., ... Moon, H. (2019). Underground sewer pipe condition assessment based on convolutional neural networks. *Automation in Construction*, 106, 102849 [IF: 7.7, Q1].

- 13 **Dang, L. M.**, Hassan, S. I., Im, S., Mehmood, I., & Moon, H. (2018). Utilizing text recognition for the defects extraction in sewers cctv inspection videos. *Computers in Industry*, 99, 96–109 [IF: 7.635, Q1].
- 14 **Dang, L. M.**, Hassan, S., Im, S., Lee, J., Lee, S., & Moon, H. (2018). Deep learning based computer generated face identification using convolutional neural network. *Applied Sciences*, 8(12), 2610 [IF: 2.679, Q2].
- 15 **Dang, L. M.**, Sadeghi-niarak, A., Huy, D. H., & Moon, H. (2018). Deep learning approach for short-term stock trends prediction based on two-stream gated recurrent unit network. *IEEE Access*, 6, 55392–55404 [IF: 3.367, Q1].
- 16 Ha, J. G., Moon, H., Kwak, J. T., Hassan, S. I., **Dang, L. M.**, Lee, O. N., & Park, H. Y. (2017). Deep convolutional neural network for classifying fusarium wilt of radish from unmanned aerial vehicles. *Journal of Applied Remote Sensing*, 11(4), 042621 [IF: 1.360, Q4].

Miscellaneous

Award and achievement

- | | |
|-----------|---|
| 2017-2021 | ■ Full PhD scholarship , Sejong University, Seoul, Korea. |
| 2011-2016 | ■ Undergraduate scholarship , University of Information Technology, Vietnam. |
| 2015 | ■ Silver medal on “Design - Manufacture – Application III” contest with the project “Digital image copyright protection” by HoChiMinh Communist Youth Union. |
| 2013-2014 | ■ Student of 5 merits , University of Information Technology, Vietnam. |
| 2013 | ■ Vu A Dinh scholarship , for ethnic students who have a good national learning achievement, HoChiMinh city, Vietnam. |

Certification

- | | |
|------|---|
| 2016 | ■ Hard-working and excellent study in undergraduate study , University of Information Technology, Vietnam. |
| 2019 | ■ Korea Immigration & Integration Program , Ministry of Justice, Korea. |