FERDIAN ADI PRATAMA

Social Roboticist

@ ferd1@protonmail.com   % ferdianap.github.io   S ferdianap   📍 BSD City, Indonesia

INDUSTRY EXPERIENCE

Freelance Consultant
PLENGoer Robotics

📅 Sept 2016 – Nov 2016   📍 Osaka, JAPAN

PLENGoer Robotics is a startup company co-founded by PLEN Project and the GoerTek Group and specializes in the development of practical household and personal service robots. Specialized in robot architecture and software development, I provide technical advises and support with ROS programming and its application to the PLEN robot series

Electrical Engineering Intern
Demag Cranes & Components, GmbH

📅 Feb 2009 – Aug 2009   📍 Wetter, GERMANY

Demag Group is one of the world's leading suppliers of industrial cranes, crane components and services of the Demag brand.
- Assigned in Elektrotechnick Handling Technology department during a 6 months internship
- Developed infrared circuit modules for overhead crane controller boards

Mechatronics Engineering Intern
Siemens Vocational Training Center

📅 Sept 2007 – Dec 2007   📍 Cilegon, INDONESIA

Getting used to handle milling machine, lathe machine, handled electrical components and circuit, programmed a CNC Lathe machine

ACADEMIC EXPERIENCE

Visiting Scholar
University of Genova

📅 Oct 2014 – Jan 2015   📍 Genova, ITALY

Conducting Experiments for Ph.D. main research using Baxter Research Robot.

Teaching Assistant
Robotics Lecture @JAIST

📅 Dec 2013 – Feb 2014   📍 Nomi, JAPAN

Holding recitation, grading assignments, and responsible for helping with lab experiments.

SUMMARY

Aiming to develop the most versatile personal robot companion with self-developing knowledge architecture model based on daily interaction with human and environment.

EXPERTISE

Human-robot interaction

Personal robot companion

Developmental robotics   Psychology

ROS   C++   Python   OpenCV

AWARDS

🎓 **Doctoral Research Fellow Grant**
Doctoral Course, 2013-2016

🏆 **Outstanding Performance Award**
Master Course, 2013

LANGUAGES

English   ●●●●○

Japanese   ●●●●○

Indonesian   ●●●●●

EDUCATION

Ph.D. in Information Science
Japan Advanced Institute of Science and Technology

📅 2013 – 2016   📍 Nomi, JAPAN

- Advisor: Nak Young Chong
- Thesis: Enforcing Personalized Human-Robot Interaction through an Integrated Epigenetic Robot Architecture

ACADEMIC EXPERIENCE

Lab Assistant
Robotics Lab @JAIST

📅 2012 📍 Nomi, JAPAN

Responsible for managing lab related stuffs. Performing humanoid robot demonstrations and research related matter to visitors.

Webmaster
Center for Intelligent Robotics @JAIST

📅 2011 – 2014 📍 Nomi, JAPAN

Maintaining homepage of Center for Intelligent Robotics.

SELECTED PUBLICATIONS

📄 Journal Articles

- Pratama, Ferdian, Fulvio Mastrogiovanni, Soon Geul Lee, et al. (2016). "Long-term knowledge acquisition using contextual information in a memory-inspired robot architecture". In: *Journal of Experimental & Theoretical Artificial Intelligence*.

👥 Conference Proceedings

- Pratama, Ferdian, Fulvio Mastrogiovanni, and Nak Young Chong (2014). "An integrated epigenetic robot architecture via context-influenced long-term memory". In: *Proceedings of Joint IEEE International Conferences on Development and Learning and Epigenetic Robotics (ICDL-EPIROB 2014)*.
- Pratama, Ferdian, Fulvio Mastrogiovanni, Sungmoon Jeong, et al. (2015). "Long-term knowledge acquisition in a memory-based epigenetic robot architecture for verbal interactions". In: *Proceedings of The 24th International Symposium on Robot and Human Interactive Communication (IEEE RO-MAN 2015)*.

Complete list of publication is available on the website.

EDUCATION

M.S. in Information Science
Japan Advanced Institute of Science and Technology

📅 2011 – 2013 📍 Nomi, JAPAN

B.S. in Mechatronics Engineering
Swiss German University

📅 2006 – 2010 📍 Tangerang, INDONESIA

RESEARCH TALKS

ERIS: Epigenetic Robot Intelligent System
IEEE RO-MAN Workshop

📅 2015 📍 Kobe, JAPAN

Toward Epigenetic Architecture Interconnection: Context-influenced Long-Term Memory
The 1st Hanyang-JAIST Joint Workshop on Decision and Planning

📅 2014 📍 Nomi, JAPAN

REFEREES

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