



[Electrical Engineering](#) > HARUYAMA Kazuo



HARUYAMA Kazuo

Organization	Electrical Engineering
Position	Associate Professor
Academic Title	Doctor(Engineering)
Research Fields	Programming, Electronic Circuit

<< Research Subjects >>

1. [Development of Getting Up Detection and Report Device using Power Line Communication](#)
2. [Measuring Circuit using Ultra Sonic Sensor](#)

<< Academic Activities >>

Papers and Notes

1. [Shota Nakashima, Kazuo Haruyama, Yuhki Kitazono, Huimin Lu, Kanya Tanaka, Shenglin Mu, Seiichi Serikawa : "Development of Mat Sensor to Distinguish between Wheelchair and Person", Journal of Life Support Engineering, Vol.25, No.2, pp.50-55 \(2013.8\)](#)
2. [Kanya Tanaka, Shota Yoshitake, Shota Nakashima, Kazuo Haruyama, Yuji Wakasa : "Elderly People Behavior Detection System Using Several Ultrasonic Radars", Journal of Life Support Engineering, Vol.24, No.4, pp.159-164 \(2012.12\)](#)
3. [Kanya Tanaka, Akihiko Uchibori, Kazuo Haruyama, Yuki Nishimura, Shigeru Uchikado, Faridah Abd Rahman : "Safety Confirmation System Using Ultrasonic Radar for Elderly People Living Alone", The transactions of the Institute of Electrical Engineers of Japan. D. A publication of Industry Applications Society, Vol.131, No.2, pp.202-207 \(2011.2\)](#)
4. [Yo Yamada, Kanya Tanaka, Kazuo Haruyama, Yuji Wakasa, Takuya Akashi : "Decoupling of Getting Up Detection Device Using Ultrasonic Radar by Changing Duty Ratio of Transmission Wave", The transactions of the Institute of Electrical Engineers of Japan. D. A publication of Industry Applications Society, Vol.130, No.5, pp.599-604 \(2010.5\)](#)
5. [Kanya Tanaka, Kazuo Haruyama, and Yo Yamada : " Safety Confirmation System Using Mat Sensor and Power Line Communication for Elderly Person", Journal of Robotics and Mechatronics, Vol.19 No.6, pp.676-682 \(2007\)](#)
6. [Y. Okamura and K. Haruyama: " The Exact Distribution of a Simple Correlated Walk with a Stationary Initial Condition", Journal of the Korean Physical Society Vol.38, pp.508-511 \(2001\)](#)

Presentations

1. [Hiromasa Tomimoto, Yoshikazu Hitaka, Shota Nakashima, Kazuo Haruyama : "Home Appliances Monitoring System using a Hall Element", The 1st IEEE/IIAE International Conference on Intelligent Systems and Image Processing 2013, OS1-06, pp.27-30, Kitakyushu \(Kyushu Institute of Technology\), Sep.26 \(2013\)](#)
2. [Toshiaki Ebihara, Fumiaki Ehara, Kazuo Haruyama, Shenglin Mu, Yuhki Kitazono, Kanya Tanaka, Lifeng Zhang, Seiichi Serikawa, Shota Nakashima : "Proposal of Person Position Detecting Method Using Pyroelectric Sensor \(I \)", 2012 IEEE/SICE International Symposium on System Integration \(SII\), SA-D.3, pp.121-124, Fukuoka \(Kyushu University\), Dec.16 \(2012\)](#)
3. [Daisuke Iwasaki, Kazuo Haruyama, Shenglin Mu, Huimin Lu, Kanya Tanaka, Yuhki Kitazono, Yuji Wakasa, Seiichi Serikawa, Shota Nakashima : "Ground Material Distinction Method Using Reflection Intensities Obtained by Ultrasonic Sensor \(I \)", 2012 IEEE/SICE International Symposium on System Integration \(SII\), SA-D.2, pp.117-120, Fukuoka \(Kyushu University\), Dec.16 \(2012\)](#)
4. [Kazuo Haruyama, Kanya Tanaka, Yuji Wakasa, Takuya Akashi, You Yamada : " Development of the Detection and Reporting Device for Patients' Getting Out of Bed using Ultrasonic Radar and Power Line Communication", Proceedings of International Conference on Instrumentation, Control and Information Technology, 1B08-3 p.20, Takamatsu\(Kagawa University\), Sep.18 \(2007\)](#)
5. [Y. Okamura and K. Haruyama: " The Concentration Profiles for Impurity Diffusion via Vacancies Based on Correlated Walk](#)

- [Model", Similarity in Diversity, pp.233-242 \(2003\)](#)
6. [Y. Okamura, K. Ueda, and K. Haruyama: "Computer Simulation of the Correlation Factor for Impurity Diffusion of 2nd-Nearest-Neighbour Binding Model", The 5th International Workshop on Similarity in Diversity, pp.69-71 \(1999\)](#)