

# Hiroshi Ueda

## Curriculum Vitae

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## Education

Mar 2004

**Ph.D. of Engineering**, Dept. of Electronic and Information Engineering, Graduate School of Toyohashi University of Technology, Japan.

Mar 2001

**Master of Engineering**, Dept. of Knowledge-based Information Engineering, Graduate School of Toyohashi University of Technology, Japan.

Mar 1999

**Bachelor of Engineering**, Dept. of Knowledge-based Information Engineering, Toyohashi University of Technology, Japan.

## Work Experience

### Academic Position

2011

**Associate Professor**, Academic Center for Computing and Media Studies, Kyoto University, Japan.

2014  
2015

**Associate Professor**, Joint Appointment in IT Planning Office, Institute for Information Management and Communication, Kyoto University, Japan.

2011

**Associate Professor**, Joint Appointment in Department of Social Informatics, Graduate School of Informatics, Kyoto University, Japan.

2006  
2011

**Associate Professor**, Library and Information Technology Center, Gunma University, Japan.

2004  
2006

**Researcher**, Research Institute of Electrical Communication, Tohoku University, Japan.

### Other Positions

2014

**Part-time Lecturer**, Graduate School of Natural Sciences, Nagoya City University, Japan.

2013  
2014

**Part-time Lecturer**, National Institute of Technology, Nara College, Japan.

2012

**Information Ethics Video Development Task Force**, Academic eXchange for Information Environment and Strategy, Japan.

2012

**Working Group for Promoting Information Security Policy in Institutions of Higher Education**, National Institute of Informatics, Japan.

- 2012
2012
**Part-time Lecturer**, *School of Information Science, Japan Advanced Institute of Science and Technology, Japan.*
- 2009
2009
**Visiting Associate Professor**, *Organization for Science Network Operations and Coordination, National Institute of Informatics, Japan.*
- 2009
2011
**Part-time Lecturer**, *Graduate School of Social and Information Studies, Gunma University, Japan.*
- 2003
2004
**Researcher**, *21st Century Center of Excellence Program, Toyohashi University of Technology, Japan.*

## Research Interests

- Management and Deployment of LMS
- Learning Analytics
- Development of Digital Educational Content
- Mathematical Modeling of Social and Natural Phenomena

## Awards

- Mar 2016
•
**Best Paper Award**, *2015 Annual Conference of AXIES, Japan*, “2015 Update of Princess Rin-Rin: Deployment and Improvement of GakuNinMoodle [in Japanese]”.
- Feb 2016
•
**Best Open Moodle Courseware of 2015**, *Moodle Association of Japan*, Honorable Mention, “Differential Equations with Spreadsheets”.
- Dec 2014
•
**Best Paper Award**, *2013 Annual Conference of AXIES, Japan*, “Migration to Office365 and Evaluation Authentication Federation in Kyoto University [in Japanese]”.
- Dec 2012
•
**Best Poster Award**, *2011 Annual Conference of AXIES, Japan*, “Project Princess Rin-Rin: Development and Management of Multilingual Information Ethics Learning Content [in Japanese]”.
- June 2011
•
**Yamazaki Award**, *The Society of Materials Engineering for Resources of Japan*, “Network Anomaly Detection Based on R/S Pox Diagram”, Selected Journal Papers [8].

## Grants

- 2015
■
**Grant-in-Aid for Scientific Research (B)**, *MEXT/JSPS*, 5,100 KJPY(2015), Co-Investigate.
- 2015
■
**Nation-wide Cooperative Research Projects**, *Research Institute of Electrical Communication, Tohoku University*, 268 KJPY(2015), Co-Investigate.
- 2014
■
**Grant-in-Aid for Scientific Research (C)**, *MEXT/JSPS*, 4,940 KJPY, Head.

- 2013  
2013 **Project Research Grant**, *National Institute of Informatics, Japan*, 10,500 KJPY, Co-Investigate.
- 2013  
2014 **Nation-wide Cooperative Research Projects**, *Research Institute of Electrical Communication, Tohoku University*, 492 KJPY, Co-Investigate.
- 2012  
2014 **Grant-in-Aid for Scientific Research (B)**, *MEXT/JSPS*, 13,130 KJPY, Co-Investigate.
- 2012  
2012 **Joint Research**, *Fuji XEROX System Service*, 550 KJPY, Head.
- 2012  
2012 **Joint Research**, *Ryomo Business Support*, 150 KJPY, Head.
- 2010  
2012 **Nation-wide Cooperative Research Projects**, *Research Institute of Electrical Communication, Tohoku University*, 1,976 KJPY, Co-Investigate.
- 2009  
2011 **Grant-in-Aid for Scientific Research (B)**, *MEXT/JSPS*, 14,500 KJPY, Co-Investigate.
- 2009  
2009 **Grant for Project of Research and Education Improvement**, *Gunma University*, 543 KJPY, Head.
- 2007  
2009 **Nation-wide Cooperative Research Projects**, *Research Institute of Electrical Communication, Tohoku University*, 2,294 KJPY, Head.
- 2007  
2008 **Grant-in-Aid for Scientific Research (B)**, *MEXT/JSPS*, 15,100 KJPY, Head.

## Books

- [1] Sakae Kumehara and Hiroshi Ueda “Wireshark Packet Kaiseki Reference [in Japanese],”: SoftBank Creative (2009).

## Selected Journal Papers

- [1] Y. Fujii, N. Yoshiura, N. Ohta, A. Takita, H. Ueda, and K. Maru “Abuse Prevention of Street Camera Network by Browsing-History Disclosure,” *Journal of Community Informatics* (2016), Accepted.
- [2] Hiroshi Ueda, Motonori Nakamura, Takaaki Komura, and Tomoya Jin “[Invited Paper] Princess Rin-Rin Project: Multilingual Information Ethics e-Learning on GakuNinMoodle [in Japanese],” *Journal of Digital Practices*, Vol. 6, No. 2, pp. 97 – 104 (2015).
- [3] Kosuke Muramatsu, Mizuki Ishizawa, Akihiro Takita, Noriaki Yoshiura, Naoya Ohta, Koichi Maru, Hiroshi Ueda, and Yusaku Fujii “Shopping Street Safety Using All-In-One-Type Security Cameras,” *ICIC Express Letters*, Vol. 8, No. 11, pp. 3001–3006 (2014).
- [4] Yu Tsuda, Liangjin Huang, Yoshitaka Morimura, Shuhui Hou, Tetsutaro Uehara, and Hiroshi Ueda “A Feasibility Study of an Internet Live Broadcasting System with Contents Protection [in Japanese],” *IPSJ Journal*, Vol. 55, No. 1, pp. 300-310 (2014).
- [5] Akinori Takahashi, Ryuji Igarashi, Hiroshi Ueda, Yukio Iwaya, and Tetsuo Kinoshita “R/S Pox Leg-line Characteristics,” *IPSJ Journal*, Vol. 54, No. 6, pp. 1761–1770 (2013).

- [6] Juan Zhou, Mikihiro Mori, Hiroshi Ueda, and Hajime Kita “Quiz Making Activities Using the Multi-Mouse Quiz System in an Elementary School,” *International Journal of Distance Education Technologies*, Vol. 11, No. 4, pp. 45-62 (2013).
- [7] Yusaku Fujii, Koichi Maru, Kojiro Kobayashi, Noriaki Yoshiura, Naoya Ohta, Hiroshi Ueda, and Preecha Yupapin “e-JIKEI Network Using e-JIKEI Cameras: Community Security Using Considerable Number of Cheap Stand-Alone Cameras,” *Safety Science*, Vol. 48, No. 7, pp. 921-925 (2010).
- [8] Akinori Takahashi, Ryuji Igarashi, Hiroshi Ueda, Yukio Iwaya, and Tetsuo Kinoshita “Network Anomaly Detection Based on R/S Pox Diagram,” *International Journal of the Society of Materials Engineering for Resources*, Vol. 17, No. 2, pp. 186-192 (2010), Yamazaki Award.
- [9] Hiroshi Ueda, Hisao Ida, Masafumi Aoki, Takahide Saitoh, Hideaki Sakai, Masayuki Ibi, Hitoshi Takahashi, Hiroshi Funada, Masakatsu Yajima, and Sakae Kumehara “A Renovation of Campus IT Infrastructure with Fiber to the Desk Network [in Japanese],” *Journal for Academic Computing and Networking*, No. 14, pp. 56-63 (2010).
- [10] Yusaku Fujii, Naoya Ohta, Hiroshi Ueda, Yoichi Sugita, and Koichi Maru “New Concept Regarding Management of Security Cameras,” *The Journal of Community Informatics*, Vol. 4, No. 3 (2009).
- [11] Takayuki Kanazawa, Shunsuke Ajisawa, Masafumi Unno, and Hiroshi Ueda “[Invited Paper] A Challenge to Provide Access Service for Deaf or Hard of Hearing Students Using Remote Captioning Technology –An Example of Remote Cooperate Typing between Two University Campuses– [in Japanese],” *Journal of Multimedia Aided Education Research*, Vol. 5, No. 2, pp. 55–61 (2008).
- [12] Kazuki Kawachi, Motohide Seki, Hiraku Yoshida, Yohei Otake, Katsuhide Warashina, and Hiroshi Ueda “A Rumor Transmission Model with Various Contact Interactions,” *Journal of Theoretical Biology*, Vol. 253, No. 1, pp. 55-60 (2008).
- [13] Hiroshi Ueda, Yutaka Nasuno, Yukio Iwaya, Ryuji Igarashi, and Tetsuo Kinoshita “Note on Modeling for LAN Traffic by Stochastic Process [in Japanese],” *IPSS Transactions on Mathematical Modeling and its Applications*, Vol. 48, No. SIG2 (TOM16), pp. 167-174 (2007).
- [14] Hiroshi Ueda, Yukio Iwaya, Toru Abe, and Tetsuo Kinoshita “A Cellular Automata Model Considering Diversity Associated with HIV Infection,” *Artificial Life and Robotics*, Vol. 10, No. 1, pp. 73–76 (2006).
- [15] Hiroshi Ueda and Yoshiteru Ishida “A Stochastic Model for Initial HIV Infection on Lattice Spaces,” *Artificial Life and Robotics*, Vol. 7, No. 4, pp. 185–188 (2004).

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## Selected Invited Talk

- [1] Hiroshi Ueda “Renovation of Campus IT Infrastructure with Fiber to the Desk Network,” in *Alcatel-Lucent Enterprise Dynamic Tour 2011 Singapore*, Marina Sands Bay, Singapore (2011), Invited.

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## Selected Conference Papers

- [1] Sogo Kato, Akihiro Takita, Noriaki Yoshiura, Naoya Ohta, Koichi Maru, Hiroshi Ueda, Yusaku Fujii, and Hideo Matsuda “Development of Security Camera with Privacy Protection and, Social Experiment Using the Security Camera with Privacy Protection,” in *Proceedings of The 4th IIAE International Conference on Industrial Application Engineering 2016*, pp. GS12-4 (2016).
- [2] Hiroshi Ueda and Motonori Nakamura “Princess Rin Rin Project: Development and Deployment of Multilingual Security Literacy e-Learning,” in *Proceedings of 5th International Conference on Human Computing, Education & Information Management System* (2016).
- [3] Akihiro Takita, Naoya Ohta, Yusaku Fujii, Noriaki Yoshiura, Hiroshi Ueda, and Koichi Maru “Review of the e-JIKEI Network: Security camera system for privacy protection and community safety,” in *3rd International Conference on Informatics, Electronics & Vision (ICIEV) 2014*, pp. 1–4, IEEE, Dhaka, Bangladesh (2014).
- [4] Takashi Yamanoue, Izumi Fuse, Shigeto Okabe, Atsushi Nakamura, Michio Nakanishi, Shozo Fukada, Takahiro Tagawa, Tatsumi Takeo, Ikuya Murata, Tetsutaro Uehara, Tsuneo Yamada, and Hiroshi Ueda “Computer Ethics Video Clips for University Students in Japan from 2003 until 2013,” in *IEEE 38th Annual Computer Software and Applications Conference, COMPSAC Workshops 2014*, pp. 96–101, Vasteras, Sweden (2014).
- [5] Norihiro Nagai, Yusaku Fujii, Hiroshi Ueda, Koichi Maru, and Shigeru Kumakura “PC-based monitoring system for efficient use of day care centers for elderly people,” in *Proceedings of International Conference on Security Camera Network, Privacy Protection and Community Safety 2009 (SPC2009)*, Kiryu, Japan (2009).
- [6] Akinori Takahashi, Ryuji Igarashi, Hiroshi Ueda, Yukio Iwaya, and Tetsuo Kinoshita “Network Anomaly Detection Based on R/S Pox Diagram,” in *Proceedings of the 6th International Conference on Materials Engineering for Resources (ICMR2009)*, pp. 328-333, Akita, Japan (2009).
- [7] Kazuki Kawachi, Hiroshi Ueda, Motohide Seki, Katsuhide Warashina, Yohei Otake, and Hiraku Yoshida “On the analysis of different kinds of rumor transmission models+,” in *2nd International Symposium on Dynamical Systems Theory and Its Applications to Biology and Environmental Sciences*, Hamamatsu, Japan (2007).
- [8] Norihiro Nagai, Hiroshi Ueda, Shigeru Kumakura, Yoichi Sugita, Masayuki Yokota, Naoya Ohta, and Yusaku Fujii “Development of PC-based Monitoring System for Elderly People Care,” in *Proceedings of 1st International Topical Meeting on Precision Measurement (ITMPM2007)*, pp. 238-241, Kiryu, Japan (2007).
- [9] Hioshi Ueda, Yutaka Nasuno, Yukio Iwaya, Ryuji Igarahi, and Tetsuo Kinoshita “Modeling on LAN Traffic by Stochastic Process and Self-similarity,” in *Proceedings of 1st International Topical Meeting on Precision Measurement (ITMPM2007)*, pp. 142-151, Kiryu, Japan (2007), Invited.

- [10] Hiroshi Ueda, Yukio Iwaya, Toru Abe, and Tetsuo Kinoshita “On the Diversity of HIV using Cellular Automata Approach,” in *Proceedings of The Tenth International Symposium on Artificial Life and Robotics*, p. 56, Beppu, Japan (2005).
- [11] Hiroshi Ueda and Yoshiteru Ishida “On the Stability of a model for interaction between HIV and T-Cell CD4<sup>+</sup>,” in *Proceedings of The Ninth International Symposium on Artificial Life and Robotics*, Vol. 1, pp. 271–273, Beppu, Japan (2004).