

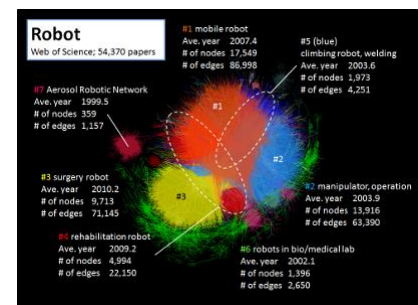
Shino IWAMI, Ph.D.

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Summary of Current Status

I am a researcher in Eötvös Loránd University in Hungary after a researcher belonging to a Japanese governmental institute, JST, and the University of Tokyo. I'm searching an academic position or a business analyst position after my Erasmus Mundus Programme contract until September 17, 2016.

My current researches belong to **“Management of Technology” (MOT), “Innovation Policy” and Scientometrics (Bibliometrics)**, using technologies of **machine learning, natural language processing, and Internet protocol traffic analysis**. My researches aim to support decision-makers, such as policy-makers, business planners and researchers, to select their research themes or technology seeds on the basis of scientific evidences. This field becomes popular such as STAR METRICS in USA, and “foresight” and “horizon scanning” in EC.



I have professional skills about **Linux-embedded software, ubiquitous computing, and digital forensics**. Therefore, I can implement ideas directly from my brain to my hands. In addition, I have demonstrated my leadership by **hosting workshops and mentoring enterprises, researchers and students**.

I can promise you that you can get authorized journal papers with your institute's name without your cost, because they will submit before your hiring and their review process will continue during your hiring.

I am willing to relocate near your institute.

<Links in this Document>

History: **Education; Research Experiences; Teaching Experiences; Business Professional Experiences**

Achievement: **Grant, Scholarship and Award; Publication List**

Others: **Academic Professional Activities; Technical Skills**

Education (*Additional Program)

- 2011.04 - 2014.03 Full-time student of **Ph.D. (Engineering)**
Department of Technology Management for Innovation
Graduate School of Engineering, the University of Tokyo [2014 rank - QS: 31st; THE: 23th]
(*Science, Technology and Innovation Governance Program)
- 2009.04 - 2011.03 Full-time student of **Master (Interdisciplinary Information Studies)**
Graduate School of Interdisciplinary Information Studies, the University of Tokyo
[2011 rank - QS: 25th; THE: 26th] (*Executive Management Program)
- 2003.04 - 2008.03 Distance-learning student of **Bachelor (Law Science)**
Faculty of Law, Keio University

1995.04 - 1999.03 Full-time student of **Bachelor (Engineering)**
Department of Energy Systems Engineering,
Faculty of Engineering, Osaka Prefecture University

Research Experiences

2015.12 - current **Visiting Researcher by TEAM Erasmus Mundus Programme**
(<http://www.team-mundus.eu>), Faculty of Informatics, Eötvös Loránd University

2015.05 - 2015.12 **Researcher**
Department of Information Planning, Japan Science and Technology Agency

2014.07 - 2015.04 **Project Researcher**
Innovation Policy Research Center, Graduate School of Engineering,
the University of Tokyo

2014.05 - 2016.03 **Visiting Researcher**
Graduate School of Engineering / Policy Alternatives Research Institute,
the University of Tokyo

2011.10 - 2014.06 **Technical Assistant** (including Research Assistant and Teaching Assistant)
Innovation Policy Research Center, Graduate School of Engineering,
The University of Tokyo

Teaching Experiences (including seminars in business)

- A Guest Session of a course 'Institutional Innovation', National University of Singapore, SINGAPORE, March 2016.
- A Presentation of Science Agora (a science exhibition sponsored by JST), Tokyo, JAPAN, November 2015.
- The 40th GSDM Platform Seminar, the University of Tokyo, JAPAN, January 2015. <http://gsdm.u-tokyo.ac.jp/?p=2617>
- Research Mentor about researches for one undergraduate student and 7 Ph.D. students, the University of Tokyo, JAPAN, 2014-2015.
- Instructor about Academic Landscape System for users (company, students), the University of Tokyo, JAPAN, 2013-2015.
- Teaching Assistant of course on 'Innovation Policy Exercise' for B1, B2 students in 2011, 2012, 'Social Solution Contest' for B3 students in 2014, and 'Quantitative Methods for Management and Policy Analysis' for graduate students in 2014. The University of Tokyo, JAPAN.
- (Voluntary Activities) analysis workshop, study sessions for my lab's students in 2013, 2014. The University of Tokyo, JAPAN.
- (Voluntary Activities) research and networking meetings for (A) graduate students of cross-sectorial program in 2011, 2012, 2015, and (B) Ph.D. candidates of the department in 2013-2015. The University of Tokyo, JAPAN.
- Speaker of CISSP ISLS about 'information security related ubiquitous computing' (1 hours once) for professional workers in 2010. As an information security professional.

Business Professional Experiences (For more information, see **APPENDIX**)

2009-2011 **Information Security Professional** of Web Application - SecureSky Technology Inc.
2006-2008 **Software Engineer** of Digital Forensics and Linux-Embedded Software - NetAgent Co., Ltd.

2003-2005 **Software Engineer** and **System Administrator** of Web Application - Toshiba Corporation
2002-2003 **Software Engineer** of Virtual Software - SOFTonNET Japan Inc.
2000-2001 **Software Engineer** of Web Application - eWeb Inc.

Grant, Scholarship and Award

2015-2016 TEAM Erasmus Mundus Programme
2015 Japan Science and Technology President Award
2015 Murata Science Foundation for Overseas Research Activity
2013 Graduate School of Engineering, the University of Tokyo Doctoral Student Special Incentives Program (SEUT Fellowship)

Publication List

(One Ph.D. Dissertation, three reviewed journal papers, and 13 reviewed international conference proceedings)

[Ph.D Dissertation]

“Early Detection of Emerging Research Fronts Using Citation Dynamics”, <http://hdl.handle.net/2261/57953>.
(in Japanese)

[Journal Papers (with reviews)]

Shino Iwami, "A suggestion about methodology and criteria to identify emerging research fields", Journal of Information Processing and Management. 12/2015; 58 (9): 694-700. doi: 10.1241/johokanri.58.694. (in Japanese)

Shino Iwami, Junichiro Mori, Ichiro Sakata and Yuya Kajikawa, "Detection Method of Emerging Leading Papers using Time Transition", Scientometrics. 11/2014; 101 (2): 1515–1533. doi:10.1007/s11192-014-1380-x.

Osamu Naito, **Shino Iwami**, Junichiro Mori, Yuya Kajikawa, Yoshihiro Sato, Shunsuke Kudoh, and Katsushi Ikeuchi. “Actual State of the Robotics Study Changed by the Implementation in the Real World -- Consideration Based on the Citation Network Concerning Robotics Study--”, Journal of the Robotics Society of Japan. 10/2013; 31(8):804-815, (in Japanese).

[International Conferences (with reviews)]

Shino Iwami, Tsukasa Futagawa, Masahide Yoneda, Yasushi Sato, Keiko Matsuo, “Overlay map of funded research centers”, International Society for Professional Innovation Management (ISPIM) Innovation Conference 2016, Portugal, June 2016.

Tatsuya Kuroda, **Shino Iwami** and Ichiro Sakata, “Verifying entrepreneurship programs in MBA’s with article clusters”, the 25th International Conference for Management of Technology (IAMOT 2016), USA, May 2016.

Shino Iwami and Yasuhiro Yamashita, “Comparison of Bibliographic Analyses between a Global Database and a Japanese Databases in Solar Cell”, the 2015 IEEE International Conference on Industrial Engineering and Engineering Management (IEEE IEEM 2015), Singapore, December 2015.

Shino Iwami, Junichiro Mori and Ichiro Sakata, "International Flows of Japanese and World's Researchers", Portland International Conference on Management Engineering and Technology 2015 (PICMET'15), USA, August, 2015.

Shino Iwami and Ichiro Sakata, "Growing Topics and Emerging Researches in Science", International Society for Professional Innovation Management (ISPIM) Innovation Conference 2015, Hungary, June 2015.

Shino Iwami, Kyoko Kogo, Francisco Tacoa, Junichiro Mori, Yuya Kajikawa and Ichiro Sakata, "Cross-disciplinary Methodology for Detection of Collaborative and Competitive Candidates", the 24th International Conference for Management of Technology (IAMOT 2015), South Africa, June 2015.

Shino Iwami, Francisco Tacoa, Junichiro Mori, Yuya Kajikawa and Ichiro Sakata, "Bibliometric Methodology to Detect Collaborative and Competitive Countries", the 2014 IEEE International Conference on Industrial Engineering and Engineering Management (IEEE IEEM 2014), Malaysia, December 2014.

Shino Iwami, "Change Patterns of Academic Fields for Topics", the 23th International Conference for Management of Technology (IAMOT2014), USA, May 2014.

Shino Iwami, Junichiro Mori, Yuya Kajikawa and Ichiro Sakata, "Comparison of Indicators to Detect Emerging Researches using Time Transition in Quasicrystals", the IEEE International Conference on Industrial Engineering and Engineering Management (IEEE IEEM2013), December, 2013.

Asato Tashiro, Hisato Tashiro, **Shino Iwami** and Ichiro Sakata, "Bibliometric Analysis of Net Zero Energy Buildings", Portland International Conference on Management Engineering and Technology 2013 (PICMET'13), USA, July-August, 2013.

Shino Iwami, Junichiro Mori, Yuya Kajikawa and Ichiro Sakata, "Detection of Next Researches Using Time Transition in Fluorescent Proteins", 14th International Society of Scientometrics and Informetrics Conference (ISSI2013), July, 2013.

Shino Iwami, Junichiro Mori, Yuya Kajikawa, Tetsutaro Uehara and Ichiro Sakata, "Detection of Promising Fields using Time Transitions in Cryptology", The 22th International Conference for Management of Technology (IAMOT2013), Brazil, April 2013.

Shino Iwami and Ichiro Sakata, "Classification of Renewable Policies with Indicators of Science and Market", the 21th International Conference for Management of Technology (IAMOT2012), March, 2012.

[Japanese Conferences Proceedings (without reviews)]

Shino Iwami, Daichi Harada, Yuya, Kajikawa, "A study on candidate extraction of collaboration between state-of-art and existing sciences", the 30th annual meeting of the Japan Society for Research Policy and Innovation Management, Tokyo, October 2015. (in Japanese)

Shino Iwami, Junichiro Mori and Ichiro Sakata, "A study on the discovery of technology seeds for new industrial development", the 6th annual meeting of Japan MOT Society, Tokyo, March 2015. (in Japanese)

[Others]

Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST). Strategic Proposal on Smart Robot. 04/2016. <http://www.jst.go.jp/crds/pdf/2015/SP/CRDS-FY2015-SP-03.pdf>. (in Japanese)

Suguru Tamura, **Shino Iwami**, Ichiro Sakata, "Does Standardization Affect Science Linkage? A case of artificial intelligence applied technology field", RIETI Policy Discussion Paper. 04/2016; 16-P-007. <http://www.rieti.go.jp/jp/publications/summary/16040001.html>.

Masahide Yoneda, Katsutaro Watanabe, **Shino Iwami**, "Exhibit at Science Agora 2015", Journal of Information Processing and Management. 02/2016; 58 (11): 865-868. doi: 10.1241/johokanri.58.865. (in Japanese)

Shino Iwami, Artistic Science 011. <http://www.jst.go.jp/extra/150918.html>. (in Japanese)

JST Fair 2015, Tokyo, August 2015. <http://www.jst.go.jp/tt/jstfair/list/detail/s002.html>. (in Japanese)

Academic Professional Activities

- A technical committee in IEEE IEEM 2016. An international review committee in ICE-conference 2014.
- Peer-reviews in ICE-conference 2013 and 2016, IEEE IEEM 2013 - 2015.
- Chairs in IEEE IEEM 2014 - 2015.
- Reviews for Journal of Technological Forecasting and Social Change (2014 Impact Factor: 2.058), Intellectual Property Association of Japan (in Japanese).

Technical Skills

- Expert of Information Security, Network Administration, TCP/IP Packet Analysis Linux, Perl, Python, Relational Databases
 - CISSP, NSA-IAM, LPIC-3 Core (expired), CCNA (expired), CAIS-Assistant (expired, only in Japan), METI Information Security Specialist, METI Software Design & Development Engineer
 - Completion of Chuo University's Training about Secure Programming, Windows Security, UNIX/Linux Security, Incident Response and Digital Forensics
- Proficient User of Natural Language Processing, Machine Learning, Mac OS, Windows, CVS, SVN, git
 - Japan Statistical Society Certification 2nd Class
- Competent User of Ruby, PHP, Java, C, Fortran
- Trainee of 3D-CAD (Pro/Engineer), 2D-CAD (in mechanical and space engineering), MATLAB (in robotics)
- Other: Examination for First-class Government Officer (expired), Book-Keeping Certification (in Japan) 2nd Class, MIC First-Class Technical Radio Operator for On-The-Ground Services, Jodo 3rd Dan, Aikidou 3rd Kyu

APPENDIX Details of Business Professional Experience (before Researcher)

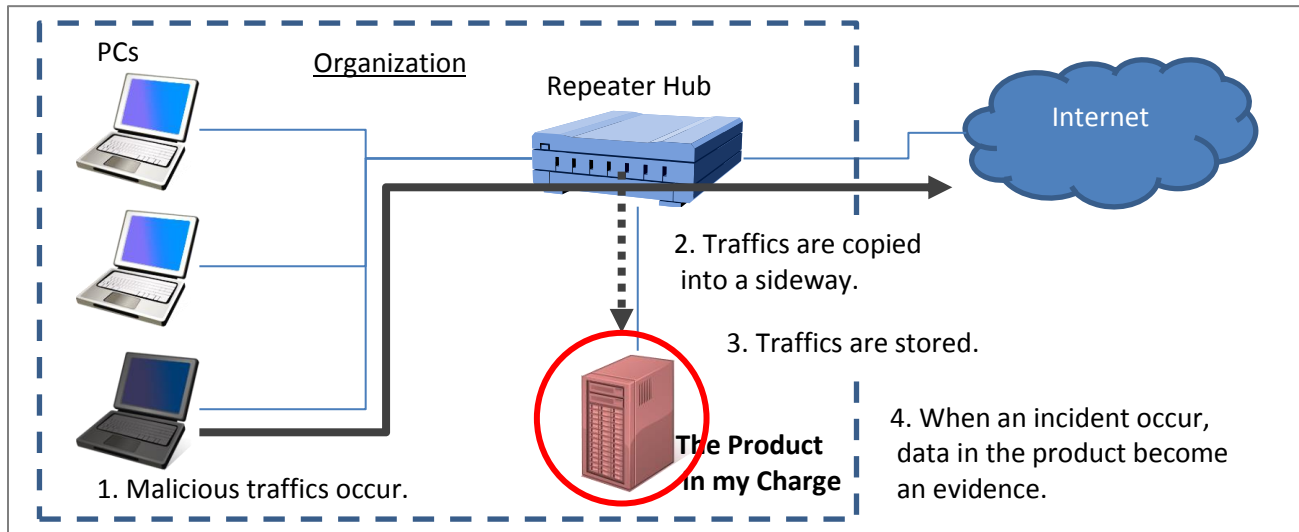
2009-2011 Information Security Engineer of Web application - SecureSky Technology Inc., Japan

This company is undertaking a vulnerability test. I assessed vulnerability of web applications.

2006-2008 Software Engineer of Digital Forensics and Linux-Embedded Software - NetAgent Co., Ltd, Japan.

Digital forensics is the procedure to collect evidences licitly when cybercrimes occur. I was responsible for developing the product to collect packets on the network. The products were bought by enterprises and government offices. The product is Linux-based system and I made some parts of its software.

- Skill: Linux, Perl, MySQL, Berkley DB, Packet Analysis



2003-2005 Software Engineer and System Administrator of Web Application - Toshiba Corporation, Japan

- Operation of web questionnaire
 - Skill: Linux, FreeBSD, PostgreSQL, Shell, C
- Development of CGI & web application (detailed design, programming, test)
 - Skill: Windows, VisualBasic, e-Tester
 - Target site: 20-30 sites
- QA for web sites (planning and test based on W3C/WAI and JIS X 8341-3)
 - Skill: Linux, FreeBSD, Windows, Mac, Apache, Perl, VMware, CVS
 - Site size: a few pages – about 600 pages
- Consulting for making in-company guideline

2002-2003 Software Engineer of Virtual Software - SOFTonNET Japan Inc., Japan

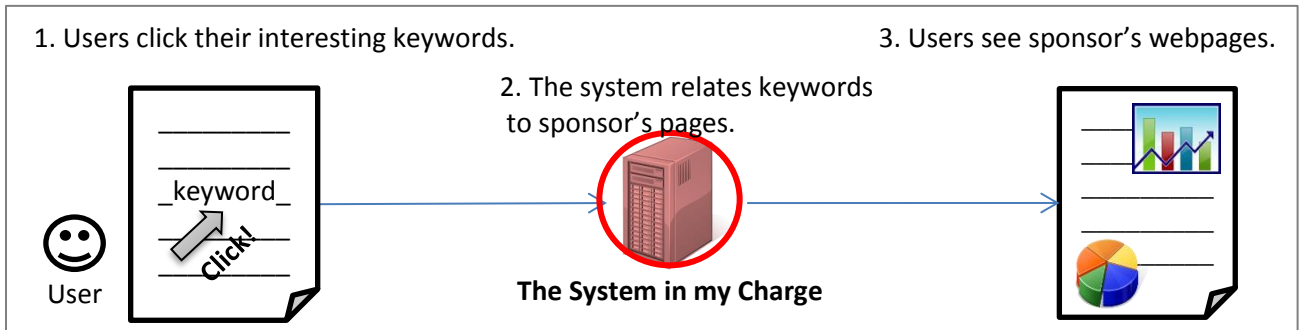
The company developed the software streaming system which provides licensed software such as Microsoft Office, Adobe Illustrator and so on from a center system to terminal machines. The merit of this system is to share limited licenses with more people. The system was used mainly by universities and other educational institutions. I was an engineer to set up software and licenses.

- Skill: Linux, Windwos, PHP, Original Language

2000-2001 Software Engineer of Web Application - eWeb Inc., Japan

The advertising system is the main business of this company. I made this system and other several web applications: community systems and sales systems.

- Skill: Linux, PostgreSQL, Perl, JavaScript, PHP, C



Certification (copy)

