

Ryusuke Masuoka, Ph.D.

Curriculum Vitae

Summary

Over 30 years of ICT research and more than 20 years of ICT research management experiences. He led collaborations with research institutes like the University of Maryland, PARC, Rensselaer Polytechnic Institute (RPI), and UC Berkeley and collaborations also with a couple of startups. He served as Principal Investigators (PIs) for DARPA and NSF projects. He has worked on a wide range of standard activities including those for OASIS Cyber Threat Intelligence (CTI) TC, DMTF, Cloud Security Alliance (CSA), 3GPP, IEEE 802.15.4, IETF ROLL WG, Trusted Computing Group (TCG), W3C OWL-S, and FIPA. Currently engaged in Cyber Security research including Cyber Threat Intelligence after two years of public policy studies, in particular, of cyber security at a think tank.

Specialties and research interests include: Cyber Security Technologies including Cyber Threat Intelligence (CTI), Cyber Security Policy, Bitcoin, Blockchain, LTE-Advanced, Software Validation, Smart Grid/Energy, Computer Security, Trusted Computing, Pervasive Computing, Ubiquitous Computing, Task Computing, Semantic Web, Software Agents, Simulated Annealing, Neural Networks, and Differential Geometry.

An ACM senior member, an IEEE senior member, and a top 1% TripAdvisor reviewer and one of top 10 reviewers in Setagaya.

Employment

November 6, 2017 - Present

Member of Japan Cybercrime Control Center (JC3)

April 1, 2015 - March 31, 2017

Research Principal, Digital Currency Project, Fujitsu Laboratories Ltd.

July 21, 2014 - Present

Research Principal, Fujitsu System Integration Laboratories Limited

July 21, 2012 - July 20, 2014

Senior Fellow, Center for International Public Policy Studies (CIPPS)

December 25, 2012 - Present

Wikistrat Senior Analyst, Wikistrat

January 1, 2011 - July 20, 2012

Research Principal, Software Systems Laboratories, Fujitsu Laboratories Limited

October 1, 2011 - Present

Part-time Lecturer, Graduate School of Mathematical Sciences, the University of Tokyo

May, 2011 - December 31, 2011

Vice President, Trusted Systems Innovation Group, Fujitsu Laboratories of America, Inc.

July, 2006 - May, 2011

Director, Trusted Systems Innovation Group, Fujitsu Laboratories of America, Inc.

June, 2004 - June, 2006

Research Fellow, Fujitsu Laboratories of America, Inc.

July, 2001 - September, 2009

Adjunct Professor, UMIACS, University of Maryland

February, 2001 - May, 2004

Senior Researcher, Fujitsu Laboratories of America, Inc.

April, 1998 - January, 2001

Senior Researcher, Fujitsu Laboratories Ltd.

October 10, 2000 - November 24, 2000

Visiting Research Professor, Computer Science and Electrical Engineering
Department, UMBC

September, 1991 - June, 1993

Visiting Scientist, School of Computer Science, Carnegie Mellon University (CMU)

April, 1988 - March, 1998

Researcher, Fujitsu Laboratories Ltd.

Academic and Professional Qualifications

Ph.D. in Mathematical Sciences

Graduate School of Mathematical Sciences, University of Tokyo, March 17th, 2000.

dissertation: "Neural Networks Learning Differential Data" (advisor: Michio Yamada)

M.S. in Mathematical Sciences

Department of Mathematics, Graduate School of Science, University of Tokyo, March 30th, 1987.

thesis: "On the Stability of Riemannian Manifolds" (advisor: Takushiro Ochiai)

S.B. in Mathematics

Department of Mathematics, School of Science, University of Tokyo, March 28th, 1985.

(advisor: Takushiro Ochiai)

TOEIC Institutional Program (IP) Test Score 990 (990 is the highest possible score for TOEIC)

TOEIC Institutional Program (IP) test score 990 (Listening: 495, Reading: 495), January, 2013

Dynamic Discussions

Dynamic Discussions, Maryland English Institute (MEI), University of Maryland, Winter Semester, 2003

American English Pronunciation (AEP) Course

American English Pronunciation (AEP) Course, Maryland English Institute (MEI), University of Maryland, Winter Semester, 2002

Advanced Oral Communication Skills Class

Advanced Oral Communication Skills Class, UMEI 008, Maryland English Institute (MEI), University of Maryland, Fall Semester, 2001

55th TOEIC Test Score 985

55th TOEIC test score 985 (Listening: 490, Reading: 495), September, 1996

First Grade of the STEP

First Grade of the STEP Test (in practical English proficiency), 1994.

Prime Minister's Australian Science Scholar

Attended at "Energy of Survival," The 20th International Science School by the Science Foundation for Physics within the University of Sydney, August 14, 1979 through September 9, 1979.

Memberships

- Association for Computing Machinery (ACM) - ACM Senior Member since June 1, 2009
- The Information Processing Society of Japan (IPSJ)
- The Institute of Electrical and Electronics Engineers, Inc. (IEEE) - IEEE Senior Member since October 22, 2018

Awards and Honors

IPSJ Best Author Award (1995)

Contribution to Institutes and Societies

June 2018 - March 2019

Programming Committee Member of 2019 FIRST Cyber Threat Intelligence Symposium, London (UK), March 18-20th, 2019.

July 2017 - December 2017

Programming Committee Member of Borderless Cyber Conference and Technical Symposium.

April 2017 - Present

Member of Technical Experts' Sub-meeting on Cyber Security (サイバー技術専門家会合), Study Forum on Geopolitical and Geo-economic Risk Management (地政学リスク研究会), Rebuild Japan Initiative Foundation (RJIF - 日本再建イニシアティブ).

December 2016 - June 2017

Programming Committee Member of Borderless Cyber USA 2017 Conference.

March 2016 - November 2016

Programming Committee Member of Borderless Cyber Asia 2016 Conference.

June 2015 - Present

Voting Member of OASIS Cyber Threat Intelligence (CTI) Technical Committee (TC).

July 8, 2011 - Present

Member of Technical Committee on Resilience and Security in Industrial Applications (ReSia) of IEEE Industrial Electronics Society.

June 8, 2011 - April 30, 2012

Member of the board of directors (BoD) of IP for Smart Objects (IPSO) Alliance.

September 7, 2011 - November 1, 2011

Fujitsu alternate promoter board member of the board of directors (BoD) of Trusted Computing Group (TCG).

November 14, 2007 - July 24, 2007

Fujitsu alternate contributor board member of the board of directors (BoD) of Trusted Computing Group (TCG).

November 10-11, 2006

Member of the Program Committee of "OWL: Experiences and Directions 2006" Athens, Georgia, USA.

July 18, 2006 - June 2008

Principal Investigator, Generalized Integrated Learning Architecture (GILA) Team of the DARPA Integrated Learning Project.

September 18-22, 2006

Member of the Program Committee of the Third International Workshop on Semantic and Dynamic Processes (SWDP 2006) in conjunction with 2006 IEEE International Conference on Web Services (ICWS 2006), Chicago, USA

July 16-20, 2006

Member of the Program Committee of the [Special Track on Artificial Intelligence and the Web](#) at the Twenty-First National Conference on Artificial Intelligence ([AAAI-06](#)), Boston, USA. 16-20 July 2006.

April 3 or 7, 2006

Member of the Program Committee of "[International Workshop on Semantics enabled Networks and Services \(ICDE SeNS 2006\)](#)" workshop, Atlanta, Georgia, USA.

November 11-12, 2005

Member of the Program Committee of "[OWL: Experiences and Directions](#)" workshop, Galway, Ireland.

November 3-6, 2005

Member of the Program Committee of the [AAAI Fall Symposium on Agents and the Semantic Web \(ASW05\)](#), Arlington, Virginia, USA.

November 21-30, 2005

Member of the Program Committee of the First International On-Line conference on Metadata and Semantics Research: Approaches to Advanced Information Systems ([MSR'05](#)).

July 17-21, 2005

Program co-chair of [MobiQuitous 2005](#), San Diego, California, USA.

July 12-15, 2005

Second International Workshop on Semantic and Dynamic Web Processes ([SDWP 2005](#)), a workshop of 2005 IEEE International Conference on Web Services ([ICWS 2005](#)), Orland, Florida, USA.

June 27, 2005

Reviewed a special issues proposal for [AI Magazine](#)

June 9-10, 2005

[W3C Workshop on Frameworks for Semantics in Web Services](#), Digital Enterprise Research Institute (DERI), Innsbruck, Austria

December 10-11, 2004

Member of the Workshop Program Committee of the International Workshop on Massively Multi-Agent Systems ([MMAS2004](#)), Kyoto, Japan.

November 7-11, 2004

Member of the Industrial Track Program Committee of 3rd International Semantic Web Conference ([ISWC2004](#)), Hiroshima, Japan. Also a Member of the Program Committee of the "[Semantic Web Services](#)" workshop at ISWC2004.

August 26, 2004

Member of the Technical Program Committee of First Workshop on Pervasive Security, Privacy and Trust ([PSPT 2004](#)) in Conjunction with [MobiQuitous 2004](#), Boston, Massachusetts, USA.

August 22-26, 2004

Member of the Technical Program Committee of [MobiQuitous 2004](#), Boston, Massachusetts, USA.

July 19 - 23, 2004

Member of the program committee of the "[Agents for Ubiquitous Computing](#)" workshop in conjunction with the Third International Joint Conference on Autonomous Agents and Multiagent Systems ([AAMAS2004](#)), New York City, USA.

July 6, 2004

Member of the program committee of the "[First International Workshop on Semantic Web Services and Web Processes Composition](#)" ([SWSWPC 2004](#)) in conjunction with the 2004 IEEE International Conference on Web Services ([ICWS 2004](#)), San Diego, California, USA, June 6 - 9, 2004. Also a Panelist on the panel, "[Do academic research and industry differ in the role and approach to use semantics for Web Processes?](#)" for the SWSWPC 2004 workshop.

December 8, 2003

Reviewed a paper for [World Wide Web Journal](#)

October 13, 2003 - September 2008

Senior Investigator of Semantic Prototypes in Research Ecoinformatics (SPIRE)

September 22, 2003 -

Advisor on the Semantic Web Services Initiative (SWSI) Industrial Partners
(Follow the link, "Industrial Partners," in the SWSI page)

October 20 - 23, 2003

Member of the Program Committee of the 2nd International Semantic Web Conference (ISWC2003)

April, 2003

Evaluated a research grant proposal to the Council of Physical Sciences of the Netherlands Organization for Scientific Research (NWO)

May 19-22, 2003

Member of the Program Committee of the 3rd International Workshop on Smart Appliances and Wearable Computing (IWSAWC 2003) at the 23rd International Conference on Distributed Computing Systems (ICDCS 2003), May 19-22, 2003, Providence, Rhode Island USA

March 12th, 2003

Member of the Program Committee of International Workshop on Semantic Web Foundations and Application Technologies (SWFAT) held in conjunction with the Semantic web and Data mining Symposium, the Institute of Scientific and Industrial Research (ISIR), Osaka University March 10th - 11th.

September 5th, 2002

Originator of the Special Interest Group for Pervasive Information Appliances of the Information Processing Society of Japan (IPSJ).

August 18th, 2002 - March, 2005

Secretary of the Special Interest Group for the Semantic Web and Ontology of Japan Society of Artificial Intelligence (JSAI).

January 23rd, 2003

Helped "School International Exchange over Internet" project between Inokuchimyojin Elementary School in Hiroshima, Japan and Wilkinson Elementary School in Washington, DC, US

January 21st, 2003 - January 24th, 2003

Member of the Program Committee of 4th International Conference on Mobile Data Management (MDM 2003), 21-24 January, 2003, Melbourne, Australia.

November, 2002

Associate Editor for Special Section on "Concurrent System Technology and Its Application to Multiple Agent Systems," the IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, November, 2002.

July 15th, 2002 - July 19th, 2002

Member of the Program Committees of First International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2002) , Workshop on Ontologies in Agent Systems, and Workshop on Ubiquitous Agents on embedded, wearable, and mobile devices, Bologna, Italy

January 28th, 2002 - February 1st, 2002

Member of the Program Committee of the 2002 International Symposium on Applications and the Internet (SAINT-2002), Nara, Japan

May 29th, 2001

Member of the Program Committee of Workshop on Ontologies in Agents Systems (OAS) held at Autonomous Agents 2001 (May 28th, 2001 - June 1st, 2001), Montreal, Canada

May 25th, 2000 - March 31st, 2001

June 22nd, 1999 - March 31st, 2000

Member of the Special Interest Group on Network Agent Technology, sponsored by Japan Information Processing Development Corporation (JIPDEC)

May 22nd, 1999 - March, 2001

Member of Steering Committee of CST (Concurrent System Technology) Technical Group, [IEICE](#)

October, 1998 - October, 1999

Member of Technical Committee (TC) 2 and TC B (Agent Management), [FIPA](#) (Foundation for Intelligent Physical Agents)

Standards

2015 – Present

Cyber Threat Intelligence at [OASIS Cyber Threat Intelligence \(CTI\) Technical Committee \(TC\)](#). Attendance and management of FSI's activities.

2010 – 2011

Cloud standardization at [Distributed Management Task Force \(DMTF\)](#). Attendance and management of FLA's activities.

2010 – 2011

Cloud Security at [Cloud Security Alliance \(CSA\)](#). targeted mainly at Group 5. Attendance and management of FLA's activities.

2010 – 2011

Cellular Wireless Network (LTE-Advanced) at [3GPP](#), targeted mainly at [RAN 1](#). Attendance and management of FLA's activities.

2010 - 2011

Smart Grid activities at the [IP for Smart Objects \(IPSO\) Alliance](#). BoD Member and management of FLA's activities.

2010

Smart Grid standardization at [IEEE](#), targeted mainly at [IEEE 802.15.4](#). Attendance and management of FLA's activities.

2009 - 2011

Smart Grid standardization at [IETF](#), targeted mainly at [ROLL WG](#). Attendance and management of FLA's activities.

2006 - 2011

[Trusted Computing Group \(TCG\)](#). Alternate BoD Member and management of FLA's activities.

2003 - 2005

[W3C OWL-S \(Semantic Markup for Web Services\)](#). Supported the MIND Laboratory of the University of Maryland at College Park through providing feedback and suggestions.

1998 - 2000

[Foundation for Intelligent Physical Agents \(FIPA\)](#), targeted mainly at Technical Committee (TC) 2 and TC B (Agent Management). Attendance as a member.

Collaborations

Startups

- Neocelus and Inaura - Client virtualization security solution

Universities

- MIND Lab, University of Maryland - Semantic Web
- RAD Lab, University of California, Berkeley - Smart Grid

US Government Projects

- July 2006 - June 2008, [DARPA](#) - Principal Investigator, Generalized Integrated

Learning Architecture (GILA) Project

- October 2003 - September 2008, NSF - Principal Investigator, SPIRE Project

Private Research Institutes

- Palo Alto Research Center (PARC) – Cloud Security Projects – 2009 - 2011

National Research Institutes

- National Institute of Standards and Technology (NIST) - Pervasive Computing
- NASA GSFC (Goddard Space Flight Center) – Artificial Intelligence
- NASA Ames – Software Validation
- Idaho National Laboratory (INL) – Smart Grid Security

Reviewers

Reviewers for numerous journal and conference papers

Invited Talks and Seminars

Panelist on "A Threat Intelligence Sharing Reality-Check: How Standard Interfaces (such as STIX and TAXII) Can Reduce Costs and Time" at Borderless Cyber USA 2017, June 21, 2017. (pp. 5-12 of the Panel Slide PDF)

Invited talk at the First Meeting of Security Management WG in FY2017, Cross-ministerial Strategic Innovation Promotion Program (SIP), "Cybersecurity for Critical Infrastructures", Cabinet Office, Government of Japan (In Japanese, 内閣府 SIP "重要イ

ンフラ等におけるサイバーセキュリティの確保" 2017 年度 第一回 セキュリティ運用 WG), June 7, 2017.

Invited talk, "Cyber Threat Intelligence and Its Standardization" (in Japanese. 「サイバー脅威インテリジェンスとその標準化」), the Second Meeting of Special Interest Group on Security Threat Analysis/Modeling (SIGSTA) (In Japanese. 第2回 脅威分析研究会 会合), April 15, 2016. (Presentation PDF)

Invited talk, "Part 1 - Manufacturing and Mathematics - Symbolic Approach, Part 2 - Working in US," the 10th IMI Colloquium, the Institute of Mathematics for Industry, Kyushu University, June 20, 2012

Invited talk, "Software Validation," Special Lecture Series on Social Mathematical Sciences II, Department of Mathematical Sciences, University of Tokyo (「ソフトウェア検証」, 社会数理特別講義II, 東京大学 数理科学研究科), October 21, 2010 (Presentation PDF)

Invited keynote talk, "Smart Grid: Japan and US" presented at Smart Grid Summit, Miami, USA, January 21, 2010

Invited talk, "Task Computing - Fusing the Semantic Web and Ubiquitous Computing," at the Semantic Web technology for mobile and ubiquitous applications (SWMU Workshop), 3rd International Semantic Web Conference (ISWC2004), Hiroshima, Japan, November 7, 2004.

Invited talk on Task Computing at the Kobe University, 神戸大学国際文化学部情報論講座

講演会, 「ここまで来ているユビキタス - Task Computing : デジタルリソースの遍在化と高次処理 -」, November 4, 2004

Panelist on the [panel](#), "Do academic research and industry differ in the role and approach to use semantics for Web Processes?" at the First International Workshop on Semantic Web Services and Web Process Composition ([SWSWPC 2004](#)), the 2004 IEEE International Conference on Web Services ([ICWS 2004](#)), San Diego, USA, July 6, 2004.

Panelist at "Agents for e-business and e-industry," Workshop of the Special Interest Group on Network Agent Technology, Tokyo, Japan, January 24th, 2001 (In Japanese).

"Intelligent Systems," FQS Professional Seminar at [FQS](#) (Fujitsu Kyushu System Engineering), Fukuoka, Japan, August 4th, 2000 (In Japanese).

"JADE Hands-on Seminar," First Seminar of Agent Interoperability Initiative, [Intelligent Agent Society](#) organized and performed by Ryusuke Masuoka and Yoshiaki Teramoto, Tokyo, Japan, July 28th, 2000 (In Japanese).

"Virtual Information Integration by Agents and AGENTPRO," Agent Technology Seminar at [NTT Comware](#), Chiba, Japan, March 8th, 2000 (In Japanese).

"On the Stability of Riemannian Manifolds," Geometry Symposium, [Shinshu University](#), July 29, 1988.

Quotes

[Defense News](#): "Experts: Japan's New Cyber Unit Understaffed, Lacks Skills", Jul. 9, 2013.

... Ryusuke Masuoka, a cybersecurity expert and senior fellow at the Center for International Public Policy Studies, agreed the CDU is grossly understaffed and underfunded, especially compared with other countries. ...

[PrivateWiFi Blog](#): "Insights Into Japan's Cybersecurity and Other Global Views", Mar. 26, 2013.

... After reading an in-depth report entitled "Cyber Security in Japan," produced by the Center for International Public Policy Studies (CIPPS), Private WiFi corresponded with Senior Fellow Ryusuke Masuoka, PhD, also one of the study's authors. The CIPPS report raised many interesting takeaways on the U.S. versus Japan, specifically when it comes to hacking and cybercrime. ...

[Associated Press](#): "Commercial Cyberspying And Theft Gives Rich Payoff", February 20, 2013.

... "It's like an ongoing war," said Ryusuke Masuoka, a cybersecurity expert at Tokyo's Center for International Public Policy Studies, a private think tank. "It is going to spread and get deeper and deeper." ...

Skills

Programming Languages

Assembler, C, C++, C#, Pascal, Common Lisp, Scheme, Display PostScript, Mathematica, HTML, Java, JavaScript, VRML, SVG, C-Shell, Bash, Sed, AWK, Perl,

Papers and Books

Some of the references and publications are in Japanese.

2019

- "Cyber Deception Architecture: Covert Attack Reconnaissance Using a Safe SDN Approach," Shimanaka, T., Masuoka, R., and Hay, B., HICSS 52, Grand Wailea, Maui, Hawaii, January 2019 (PDF at ScholarSpace).
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2018

- "Cyber Threat Intelligence (CTI) and Its Utilization," the 7th Cybersecurity International Symposium, Masuoka, R., November 29, 2018 (Presentation).
 - "Cybersecurity Solutions for Major International Events," Ohta, T., Takenaka, M., Katou, M., Masuoka, R., Kayama, K., Fukushima, N., and Imai, H., Fujitsu Scientific & Technical Journal (FSTJ), pp.57-65, Vol. 54, No. 4, September 2018.
 - "Multi-dimensional Malware Similarity will let you Catch Up with Malware Developers," Yoshimura, K., Yamada, K., Satomi, T., and Masuoka, R., the 30th Annual FIRST Conference, Kuala Lumpur, June 24-29, 2018. (Presentation Slide PDF)
 - "Cybersecurity Solutions for Major International Events" (In Japanese, "大規模イベントにおけるサイバーセキュリティ対策"), Ohta, T., Takenaka, M., Katou, M., Masuoka, R., Kayama, K., Fukushima, N., and Imai, H., Fujitsu Magazine, , pp. 62-29, March 2018.
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2017

- "Strategies for Semantics-Rich Machine-Understandable CTI - Human-Machine Cybersecurity Collaboration," Masuoka, R., Satomi, T., and Yamada, K., Borderless Cyber Conference and Technical Symposium, Prague, December 7, 2017. (Presentation Slide PDF)
- Panelist on "A Threat Intelligence Sharing Reality-Check: How Standard Interfaces (such as STIX and TAXII) Can Reduce Costs and Time" at Borderless Cyber USA 2017, New York, June 21, 2017. (pp. 5-12 of the Panel Slide PDF, 1' 31" to 1' 44" in Borderless Cyber conference video)
- Invited talk at the First Meeting of Security Management WG in FY2017, Cross-ministerial Strategic Innovation Promotion Program (SIP), "Cybersecurity for Critical Infrastructures", Cabinet Office, Government of Japan (In Japanese, 内閣府 SIP "重要インフラ等におけるサイバーセキュリティの確保" 2017 年度 第一回 セキュリティ運用 WG), June 7, 2017.

2016

- Panelist on the panel, "Cyber Threat Intelligence (CTI): Automating Information Sharing with STIX, TAXII, CybOX," *Borderless Cyber Asia 2016*, November 2, 2016. (Presentation PDF)
 - Leading Graduate Course for Frontiers of Mathematical Sciences and Physics, October 21, 2016.
 - Invited talk, "Intelligence and Cyber Threat Intelligence" (in Japanese. 「インテリジェンスとサイバー脅威インテリジェンス」), the 22nd Meeting of Cyber Defense Research Subcommittee of the Japan Society for Security and Crisis Management (JSSC) (In Japanese. 日本安全保障・危機管理学会 サイバー防衛研究部会 第22回会合), July 29, 2016.
 - Invited talk, "Cybersecurity - Visiting Old, Learn New"(in Japanese. 「サイバーセキュリティ - 温故知新」) and a panelist at the symposium, "Cybersecurity and Corporate Management"(in Japanese. 「サイバーセキュリティと企業経営」) of the Tenth (FY2016) General Assembly of the Center for International Public Policy Studies (CIPPS), July 25, 2016.
 - Invited talk, "Cyber Threat Intelligence and Its Standardization" (in Japanese. 「サイバー脅威インテリジェンスとその標準化」), the Second Meeting of Special Interest Group on Security Threat Analysis/Modeling (SIGSTA) (In Japanese. 第2回 脅威分析研究会 会合), April 15, 2016. (Presentation PDF)
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2014

- "CIPPS Proposal - Boundary-defying Cyber Security," (in Japanese. 「CIPPS 提言 - 枠にとらわれないサイバーセキュリティ」), Masuoka, R. et al, August, 2014.
 - "Cyber Security Policy - Simulation and Proposals," (in Japanese. 「サイバーセキュリティ政策 - シミュレーションと提言」), Masuoka, R. and Hiranaga, K., *CIPPS Report*, Vol. 32, pp. 2-3, July, 2014.
 - "Mathematics and Manufacturing: The Symbolic Approach," Masuoka, R. and Anai, H., *A Mathematical Approach to Research Problems of Science and Technology*, Ed. Nishii et al, Mathematics for Industry 5, pp. 481 - 494, Springer, July, 2014.
 - "Cyber Security Policy - Thinking the Unthinkable," (in Japanese. 「サイバーセキュリティ - "Thinking the Unthinkable"」), Masuoka, R. Ishino, T., and Hiranaga, K., *CIPPS Report*, Vol. 29, pp. 6-7, January, 2014.
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2013

- "Report on Cyber Security Business Trip to the United States" (in Japanese. 「サイバーセキュリティに関する米国出張調査報告書」), Masuoka, R. Ishino, T., and Hiranaga, K. *CIPPS Cyber Security Reports*, No. 8, December 9, 2013.

- ◆Contribution to Chapter 9, "Proposals to Japan's Cyber Security Policy" of the book, "10 Points on Japan's Growth Strategy", Ed. Naoki Tanaka (in Japanese, 「10のポイントで考える日本の成長戦略」, 田中 直樹 著), October 29, 2013.
 - ◆"Manufacturing and Mathematics - Symbolic Approach -," Masuoka, R., Special Lecture Series on Advanced Social Mathematical Sciences II, Department of Mathematical Sciences, University of Tokyo (「ものづくりと数学 - Symbolic Approach -」, 社会数理先端科学 I I, 東京大学 数理科学研究科 講義), October 4, 2013. (Presentation PDF)
 - ◆"Public Comments on 'Cyber Security 2013'" (in Japanese. 「『サイバーセキュリティ 2013 (案)』に対する CIPPS 意見」), Masuoka, R. Ishino, T., and Hiranaga, K. CIPPS Cyber Security Reports, No. 7, October 18, 2013.
 - ◆"Public Comments on 'Cyber Security Strategy'" (in Japanese. 「『サイバーセキュリティ戦略 (案)』に対する CIPPS 意見」), Masuoka, R. Ishino, T., and Hiranaga, K. CIPPS Cyber Security Reports, No. 6, June 13, 2013.
 - ◆"Cyber Security Policies of Japan" (in Japanese. 「我が国のサイバーセキュリティ政策について」), Masuoka, R. and Ishino, T., CIPPS Cyber Security Reports, No. 5 (Also CIPPS Information, Vol. 58), May 20, 2013.
 - ◆ "Report on Cyber Security Business Trip to Europe and Israel" (in Japanese. 「サイバーセキュリティに関する海外出張調査報告書」), Masuoka, R. and Ishino, T., CIPPS Cyber Security Reports, No. 4, April 3, 2013.
 - ◆ "Cyber Security Policy" (in Japanese. "サイバーセキュリティ政策"), Masuoka, R. and Ishino, T., CIPPS Report, Vol. 25, pp. 2-3, February, 2013. "Manufacturing and Mathematics - Symbolic Approaches," Masuoka, R. and Anai, H., in "Mathematical Approaches to Scientific and Technological Challenges - Basics and Development of Mathematical Modeling," ed. Ryuei Nishii, et al., COE Lecture Note, Vol. 46, pp. 291-300, Global COE Program, Kyushu University, 2013. (in Japanese. 益岡 竜介, 穴井 宏和, "ものづくりと数学 - Symbolic Approaches," 科学・技術の研究課題への数学アプローチ - 数学モデリングの基礎と展開, (編著: 西井龍映, 他), 九州大学グローバル COE プログラム, COE レクチャー・ノート, Vol.46, 2013) (PDF)
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2012

- ◆"Cyber Security in Japan," Masuoka, R. and Ishino, T., CIPPS Cyber Security Reports, No. 3, December, 2012.
 - ◆"On 'U.S. International Strategy for Cyberspace'" (in Japanese. 「解説: 米国「サイバー空間の国際戦略」」), Masuoka, R., CIPPS Cyber Security Reports, No. 1, October 25, 2012.
 - ◆Invited talk, "Part 1 - Manufacturing and Mathematics - Symbolic Approach, Part 2 - Working in US," the 10th IMI Colloquium, the Institute of Mathematics for Industry, Kyushu University, June 20, 2012. (Presentation PDF)
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2011

- "Manufacturing and Mathematics - Symbolic Approach -," Masuoka, R., Special Lecture Series on Social Mathematical Sciences I, Department of Mathematical Sciences, University of Tokyo (in Japanese, 「ものづくりと数学 - Symbolic Approach -」, 社会数理特別講義I, 東京大学 数理科学研究科 講義), October 21, 2011. ([Presentation PDF](#))
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2010

- "Semantic Middleware for the Internet of Things," Song, Z., Cardenas, A., and Masuoka, R., [Internet of Things 2010 Conference](#), Tokyo Japan, Nov. 29 – Dec. 1, 2010. ([PDF](#))
 - "Software Validation," Masuoka, R., Special Lecture Series on Social Mathematical Sciences II, Department of Mathematical Sciences, University of Tokyo (in Japanese, 「ソフトウェア検証」, 社会数理特別講義II, 東京大学 数理科学研究科 講義), October 21, 2010. ([Presentation PDF](#))
 - "Authentication in the Clouds: A Framework and its Application to Mobile Users", Chow, R., Jakobsson, M., Masuoka, R., Molina, J., Niu, Y., Shi, E., Song, Z., [CCSW 2010: The ACM Cloud Computing Security Workshop](#), Chicago, USA, October, 2010. ([PDF](#), © ACM, 2010. This is the author's version of the work. It is posted here by permission of ACM for your personal use. Not for redistribution. The definitive version will be published in "CCSW 2010: The ACM Cloud Computing Security Workshop")
 - Iwao, T., Yamada, K., Yura M., Nakaya, Y., Cárdenas, A., Lee, S., Masuoka, R., "Dynamic Data Forwarding in Wireless Mesh Networks, " [IEEE SmartGridComm](#), Gaithersburg, Maryland, USA, October, 2010. ([PDF](#))
 - Masuoka, R., "Smart Grid: Japan and US," keynote talk presented at [Smart Grid Summit](#), Miami, USA, January 21, 2010. ([Slide PDF](#))
 - Takebayashi, T., Tsuda, H., Hasebe, T., and Masuoka, R., "Data Loss Prevention Technologies," [Fujitsu Sci. Tech. J.](#), Vol. 46, No. 1, pp. 47-55, January, 2010. ([PDF](#))
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2009

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