



Hitotsubashi University
Institute of Innovation Research

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ANNUAL REPORT 2018-2019

Hitotsubashi University
Institute of Innovation Research

IIR

ANNUAL REPORT FY2018 – FY2019

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‘To become a world-class of excellence for research in social processes of innovation’ — The Institute of Innovation Research (IIR) was established at Hitotsubashi University to achieve this aim in April 1997, as the result of the reorganization of the Institute of Business Research, whose main pursuit had been the theoretical and empirical analysis of business, society and management.

It is indispensable for a populous country with poor natural resources like Japan to generate innovation. The importance of innovation has considerably increased since 1990s when growth by catching up with Western competitors was no longer possible. We have, however, insufficient understanding on how innovation is generated, which involves the long and social process for turning technological invention into industrial development.

Innovation is a complex social phenomenon in which economic, political, organizational, historical and legislative factors are correlated with each other. In order to clarify this process, there needed to be places for interdisciplinary, systematic research where people from various fields of social science could work together utilizing the knowledge of natural science. This is how the IIR was established as an interdisciplinary research institute concentrating on the innovation process.

Missions

The first mission of the IIR is to study the innovation generation process systematically and empirically, understanding innovation as something to bring about economic value, and to contribute to the improvement of theoretical and practical knowledge. The role of the IIR also encompasses the clarification of social and economic impacts of innovation.

The second mission is to build a bridge between theory and practice on innovation. Since innovation is “living phenomenon,” one needs to be deeply involved in the front line of practice and understand specific problems happening there. In order to achieve the ultimate objective of facilitating innovation, there should be certain mechanisms for applying theoretical knowledge to the front line of innovation. In this sense, the IIR has to play an important role in linking theory and practice.

The third mission is to be an open research center which serves as a place for knowledge fusions between researchers from different countries. As the importance of innovation is and will be growing in East Asian countries, promoting interactions with researchers from these countries is very important for Japan in contributing to the development of this region. Thus, the IIR’s missions also include the accumulation of qualitative and quantitative information on Japanese innovation.

Research Areas

In order to pursue its mission of studying the innovation process systematically and empirically, the activities of IIR have covered the following areas of research since its establishment.

“Research on Technological Innovation” and “Research on Management Innovation” are the areas in which factors facilitating innovation such as technology, organizations and management methods are being studied. “Research on Entrepreneurs” analyzes the personal characteristics of entrepreneurs as innovation initiators in order to go deep into the realities of innovation. “Research on Social Networks” explores how networks of private firms, universities, individuals, and other entities and parties affect innovation.

“Business History Research” and “Technology History Research” look at the above areas of empirical research from a broader perspective, understand their historical contexts, and trace the development processes of innovation over time. “Research on Institutions for Innovation” focuses on clarifying the influences of accounting and legal and institutional systems (such as those about intellectual property rights) on innovation.

“Research on Knowledge Management” synthesizes and attempts to understand all these empirical areas of research from a broader, theoretical perspective. Finally, “International Comparative Research” involves comparison, demonstration and analysis on an international scale.

We believe that our research at the IIR offers an important opportunity to foster creativity and innovation in Japan in order to bring about transformation and development in business organizations and the economy. We wish to create a world-class, international research institute where people from all over the world can conduct research together.

I. Research Activities



1. Innovation Research Forum — Apr. 2018 ~ Mar. 2020

The following is the list of lectures given as part of the Innovation Research Forum during 2018-2019 academic year:

- | | |
|---------------|---|
| Apr. 10, 2018 | <p>Yoichi Matsumoto
Associate Professor, Research Institute for Economics and Business Administration, Kobe University
“Inter-temporal Scope Economies and Resource Reallocation: Entries, Retrenchments, Business Deepening in Global Semiconductor Industry”</p> |
| Apr. 25, 2018 | <p>Alice Katharina Bauer
Lecturer, Institute for Strategic and International Management, Hamburg University of Technology
“Opportunities, Environment & Business Interaction: Exploring the Entrepreneurial Process through the Structuration Theoretical Lens”</p> |
| May 2, 2018 | <p>Ann Weiland
Ph.D Candidate, TU Dresden
“Sectoral Dynamics in the Solar Photovoltaic Industry: Selecting Global Innovation Strategies”</p> |
| Jun. 5, 2018 | <p>Nobuyuki Hanaki
Professor, Institut Supérieur d’Économie et de Management (ISEM), University of Nice Sophia Antipolis
“On the Roots of the Intrinsic Value of Decision Rights: Evidence from France and Japan (joint work with João V. Ferreira and Benoît Tarrow)”</p> |
| Jun. 20, 2018 | <p>Daniel Ehnes
Research Assistant, Faculty of Economics and Business Administration, Goethe University Frankfurt
“Market Reactions to Downsizing Announcements: The Role of Strategy and Knowledge Intensity”</p> |
| Jun. 27, 2018 | <p>Ivar Padrón-Hernández
Affiliated Researcher, European Institute of Japanese Studies, Stockholm School of Economics
“MNC Subsidiary Strategy and Institutional Responses in PET Bottle Reverse Vending”</p> |
| Jul. 10, 2018 | <p>Niraj S. Mankad
Assistant Professor, School of Business, FLAME University
“Open Innovation and Creation of Products and Services in the Media Economy”</p> |
| Jul. 11, 2018 | <p>Wen Pan Fagerlin
Postdoctoral Research Fellow, Visiting Researcher at Hitotsubashi University
“Participation, Facilitation and Empowerment: A Study of Top Managers’ Involvement in Control Practices of Innovation Processes”</p> |
| Oct. 10, 2018 | <p>Martin HEMMERT
Professor, School of Business, Korea University /
Visiting Professor, IIR, Hitotsubashi University
“Managing the Paradoxical Tension between Exploration and Exploitation in Inter-organizational Relations: The Case of University-industry Research Collaborations”</p> |

Nov. 28, 2018	ElHassan ELSABRY Adjunct Assistant Professor, Institute of Innovation Research, Hitotsubashi University “High Cost of Academic Journals as a Potential Barrier to Knowledge Transfer to SMEs”
Dec. 12, 2018	Martin HEMMERT Professor, School of Business, Korea University / Visiting Professor, IIR, Hitotsubashi University “Why Not Internationalization? A Longitudinal Study of IT Start-ups in China, South Korea and Japan”
Jan. 8, 2019	Vili Lehdonvirta Associate Professor at the Oxford Internet Institute, University of Oxford “The Evolving Digital Economy: Towards a Platform Society”
Jan. 25, 2019	Helen Zhao Assistant Professor, Faculty of Business and Economics, The University of Hong Kong “Social Network Research Method Workshop”
Jan. 25, 2019	Ning Li Associate Professor, Tippie College of Business, The University of Iowa “Social Network Perspectives in Organizational Research: Past, Present, and Future”
Mar. 18, 2019	Donal Crilly Associate Professor of Strategy & Entrepreneurship, London Business School “Corporate Social Counterpositioning”
Apr. 16, 2019	Christopher L. Tucci Professor of Management of Technology, the Ecole Polytechnique Fédérale de Lausanne (EPFL) “Putting “Dumb Money” to Good Use? Corporate Venture Capital as a Complement to Internal R&D (With Henry Chesbrough and Vareska van de Vrande)”
May 30, 2019	Evan Starr Assistant Professor, University of Maryland, Robert H. Smith School of Business “The Accuracy and Effects of Beliefs about Noncompete Enforceability: Evidence from an Information Experiment”
Jun. 4, 2019	Liana V. Razmerita Associate Professor, Copenhagen Business School, Department of Management, Society and Communication “Navigating Digitalization with the Social Media Business Value Compass”
Jul. 3, 2019	Ran Li Assistant Professor, School of Business Administration, Hitotsubashi University “Time to See the Big Picture: CEO Strategic Attention and Firm Performance”
Jul. 4, 2019	Ishtiaq Pasha Mahmood Professor, National University of Singapore “Corruption, Local Knowledge, and Firm Productivity: Evidence from an Emerging Economy”
Jul. 24, 2019	ElHassan ELSABRY Adjunct Assistant Professor, IIR, Hitotsubashi University “The Landscape of Science Philanthropy in Japan: Motivations & Characteristics of Funding”

- Sep. 9, 2019 Youngjin YOO
Professor, Weatherhead School of Management, Case Western Reserve University
“Digital First: The Ontological Reversal and New Challenges for IS Research”
- Sep. 17, 2019 Alexandru Preda
Professor, King’s Business School, King’s College London
“Doing Financial Facework. Professional Hybridization and the Competition for Capital Flows in Financial Markets”
- Oct. 11, 2019 Commentators:
Prof. Richard Delbridge
University Dean of Research, Innovation and Enterprise, Professor of Organizational Analysis, Cardiff Business School, Cardiff University
Prof. Markus Helfen
Professor of Human Resource Management & Employment Relations, University of Innsbruck School of Management
“Workshop for Ph.D. and Early-career Researchers”
- Nov. 13, 2019 Wong Chan Yuan
Assistant Professor, Institute of Technology Management, National Tsing Hua University
“Regional Innovation in Marshallian Perspective: Dynamics Commonalities in Inventive Growth”
- Nov. 18, 2019 Mariko Sakakibara
Professor, UCLA, Anderson School of Management
“Do Pre-Announcement Face-to-Face Interactions Increase the Returns to Acquisitions? Evidence from Smartphone Geolocational Data”
- Dec. 4, 2019 Michael Cusumano
Visiting Professor, IIR, Hitotsubashi University / Professor, MIT Sloan School of Management
“The Business of Platforms: Strategy in the Age of Digital Competition, Innovation, and Power”
- Dec. 16, 2019 Roy Suddaby
Professor, Gustavson School of Business, University of Victoria, Canada
“Temporal Emotions and Stakeholder Enrollment: How Rhetorical History Enables Resource Acquisition”



2. Brown Bag Lunch Seminar — Apr. 2018 ~ Mar. 2020

The following is the list of lectures given as part of the Brown Bag Lunch Seminar during 2018-2019 academic year:

- | | |
|---------------|--|
| Apr. 17, 2019 | Jungwoo Lee
Visiting Professor, IIR, Hitotsubashi University / Professor, Yonsei University
“Changing Nature of Work with ICT” |
| Apr. 24, 2019 | Takahiro Endo
Associate Professor, Graduate School of Business Administration, Department of Business Administration, Hitotsubashi University
“Organization and Institution” |
| May 8, 2019 | Byeongwoo Kang
Associate Professor, IIR, Hitotsubashi University
“Funding Sources and the Academic Technology Development” |
| May 22, 2019 | Joey Soehardjojo
JSPS Fellow
“Tracing Power and Influence in Institutional Diversity: Competing HR Models in Japanese and Indonesian Joint Venture” |
| May 29, 2019 | Yaichi Aoshima
Professor, IIR, Hitotsubashi University
“Expanding the Limits of Problem-solving: How Has the Life of Optical Lithography Technology Been Repeatedly Extended?” |
| Jun. 5, 2019 | Ken Sakai
Associate Professor, Faculty of Business Administration, Soka University
“Confluence of Histories in Institutional Change: A Case Study on the Management of Surgical Needles in Japanese Hospitals” |
| Jun. 19, 2019 | Masaya Onuma
Associate Professor, Graduate School of International Social Sciences International Social Sciences Section, Yokohama National University
“Institutional Innovation by Professionals: Introduction and Utilization of AEDs by Japan Airlines” |
| Jun. 24, 2019 | Dai Senoo
Professor, School of Engineering, Tokyo Institute of Technology
“Rethinking the Concept of Work: Definition and Classification” |
| Jul. 1, 2019 | Yongrae Cho
Research Fellow, Science and Technology Policy Institute
“How Can New Bibliographic Methodology with Standard and Patent Contribute to Detect Industrial Changes?” |
| Jul. 3, 2019 | Tohru Yoshioka-Kobayashi
Assistant Professor, IIR, Hitotsubashi University
“Academic Defragmentation by Patent Licensing: Insights from Academic Inventor Network Analysis” |

- Jul. 17, 2019 Yuka Kudo-Hara
Independent researcher
“Ecosystem of French Food Industry: Case Study of Picard, Marche, and BIO Cuisine”
- Jul. 24, 2019 Yuko Yamashita
Professor, Graduate School of Business Administration, Department of Business Administration,
Hitotsubashi University
“Investing in the Quality of the Future: Mikimoto’s Ainoshiba Pure Breed Pearl Venture Following the
1999 Japanese Akoya Pearl Oyster Extinction Crisis”
- Oct. 16, 2019 James Routledge
Professor, Graduate School of Business Administration, Department of Business Administration,
Hitotsubashi University
“Investor Stewardship Code Compliance and Investee Earnings Quality: Evidence from Japan”
- Nov. 20, 2019 Satoko Suzuki
Associate Professor, Graduate School of Business Administration, Department of International
Corporate Strategy, Hitotsubashi University
“Liabilities of Authenticity”
- Feb. 19, 2020 Yaichi Aoshima & Akira Yamaguchi
Professor, IIR, Hitotsubashi University /
Ph.D Program, Graduate School of Economics, Hitotsubashi University
“Influences of Adopting IFRS on the R&D Investment: Evidence from Japanese Listed Companies”

3. Conferences — Apr. 2018 ~ Mar. 2020

■ IIR Summer School 2019

Date: August 22 (Thu), 2019

Venue: Sano-shoin Hall of Hitotsubashi University

Organized by: IIR, Hitotsubashi University

Language:

Session1: Japanese, Session2-5: English

Opening:

9:30-9:45: Yaichi AOSHIMA

Session 1: (Chair: Tohru YOSHIOKA-KOBAYASHI)

9:45-10:25: Toru HIRASAKA

10:25-11:05: Futoki TAKEDA

“Development Motive of Conventional Technology in the Face of Disruptive Innovation”

Session 2: (Chair: Byeongwoo KANG)

11:20-12:00: Nana WENG

“Hybridization of Subsidiary-HRM at Function Level: Recruitment and Selection Practices from 8 Japanese Subsidiaries in Vietnam”

12:00-12:40: Suhyeon KIM & Hwajoon CHOI

“Non-Verbal Communication on the Web: Digital Gesture”

Session 3: (Chair: Kentaro NAKAJIMA)

13:30-14:10: Haruki SAWAMURA

“How is the Vision of a Start-up Company Formulated Envisaging Business Model Innovation? Case of an Electric-vehicle-based Mobility Service Provider in Bangalore”

14:10-14:50: Seokbeom KWON

“How Does Antitrust Regulation of Patents Consolidation Affect Follow-on Innovation?”

Session 4: (Chair: Atsushi OHYAMA)

15:00-15:40: ElHassan ELSABRY

“The Landscape of Science Philanthropy in Japan: Motivations & Characteristics of Funding”

15:40-16:20: Atsushi TSUMITA

“Are Serendipities Important for Innovation? An Exploratory Analysis of the Successful R&D Projects from the Research Project on Okochi Memorial Prize Winners”

Session 5: (Chair: Masaru KARUBE)

16:30-17:10: Yuki HIGUCHI

“Management and Innovation: Evidence from Randomized Experiments and Repeated Surveys in Vietnam”

17:10-17:50: Chirantan CHATTERJEE

“Intellectual Property Regimes and Wage Inequality”

Closing:

17:50- 18:00: Yaichi AOSHIMA

■International Symposium “SSE and Hitotsubashi Joint Symposium on Innovation Ecosystem -A Key to Successful Innovation: Lessons from Swedish and Japanese Start-up Practices-”

Date: May 16 (Thu), 2019

Venue: National Center of Science Building (Gakujutsu Sogo Center), 2nd floor

Organized by: IIR, Hitotsubashi University

The House of Innovation (HOI) and the European Institute of Japanese Studies,
Stockholm School of Economics

In Collaboration with: Toyokeizai, HUB FinTech Forum, Business Forum and IMPP

Program:

13:00 Opening Remarks

Yaichi Aoshima (Director, IIR, Hitotsubashi University)

Session One: Emerging Fintech

13:10-13:40: Presentation 1 / The Development of the Swedish Fintech Ecosystem

Michal Gromek (Head of Operations and Compliance, Safello AB)

13:40-14:10: Presentation 2 / Trends in Japanese FinTech and freee's innovation

Daisuke Sasaki (CEO, freee K.K.)

14:10-14:40: Panel Discussion

Moderator: Seiichiro Yonekura (Emeritus Professor, IIR, Hitotsubashi University /
Professor, Hosei University)

Panelists: Mikiharu Noma (Professor, Hitotsubashi University Business School) /
Daisuke Sasaki / Michal Gromek

Session Two: Systems and Management of Innovation

14:50-15:20: Presentation 3 / Creating Innovation Ecosystem in Japan

Yoshiaki Ishii (Director, Science, Technology and Innovation, Cabinet Office)

15:20-15:50: Presentation 4 / Customer-centric Innovation, the Swedish way

Zelia Sakhi (Chief Experience Officer of Virtusize Japan)

15:50-16:20: Panel Discussion

Moderator: Mattia Bianchi (Professor, HOI, Stockholm School of Economics)

Panelists: Mark A. Conley (Assistant Professor, Stockholm School of Economics) /
Yoshiaki Ishii / Zelia Sakhi

16:20 Concluding Remarks

Martin Koos (General Manager of the Swedish Chamber of Commerce and Industry in Japan
(SCCJ))

■IIR Summer School 2018

Date: August 25 (Sat), 2018

Venue: Sano-shoin Hall of Hitotsubashi University

Organized by: IIR, Hitotsubashi University

Opening:

10:00-10:15: Yaichi Aoshima

Session 1: (Chair: Byeongwoo Kang)

10:15-10:55: Ivar Padrón-Hernández

“Institutionally Derived Enablers and Tactics of MNC Subsidiary Influence on Headquarter Strategic Initiatives”

10:55-11:35: ElHassan ElSabry

“Can Philanthropy Compensate for the Decline in Public Research Funding? Analyzing Research Funded by Members of the Science Philanthropy Alliance”

11:35-12:15: Tohru Yoshioka-Kobayashi

“You Can Learn More from Those Who Copied Your Knowledge than from Your Alliance Partners: A Technological Return from Knowledge Spillovers to Originating Firms”

Session 2: (Chair: Kentaro Nakajima)

13:15-13:55: Maria Vasileva Ilieva & Jin-ichiro Yamada

“BoD Decision-making Process for Renovation after a Prolonged Fraud: Olympus Case Study”

13:55-14:35: Yin Deyun

“Inter-Organizational and Geographical Mobility of Chinese Inventor: Patterns and Impacts”

Session 3: (Chair: Atsushi Ohyama)

14:50-15:30: Daisuke Uchida

“Imitation? Environmental Signals and Similarity of Behavior in Hiring by Japanese Firms, 1974-2011”

15:30-16:10: Chirantan Chatterjee

“When the Big One Came: A Natural Experiment on Demand Shocks and Market Structure in India’s Influenza Vaccine Markets”

Guest Speaker:

16:10- 17:10: Hiroyuki Odagiri

“Innovation and Competition Policy: With Applications to Japanese Cases”

II. Researchers



1. Full-time Researchers

Profiles & List of Research Achievements — FY 2018 ~ FY 2019



Yaichi Aoshima

■ Education

- 1996 Ph.D. (Management), Sloan School of Management, Massachusetts Institute of Technology
- 1989 M.C. (Business Administration), Hitotsubashi University
- 1987 B.C. (Commerce), Hitotsubashi University

■ Professional Positions

- 2018~ Director, Institute of Innovation Research, Hitotsubashi University
- 2012~ Professor, Institute of Innovation Research, Hitotsubashi University
- 1999 Associate Professor, Institute of Innovation Research, Hitotsubashi University
- 1997 Assistant Professor, Institute of Innovation Research, Hitotsubashi University
- 1996 Assistant Professor, Institute of Business Research, Hitotsubashi University

■ Research Achievements

1. Publications

1.1. Book

(In Japanese)

Fujiwara, Masatoshi and Yaichi Aoshima, *Mechanisms for the Long-term Innovation: A History of the RO Membrane's Technological Development*, Tokyo: Toyo Keizai Shimposha, August 2019, 456 pages

1.2. Articles and Chapters in Books

Yun, Bo-Seong, Sang-Gun Lee and Yaichi Aoshima, "An Analysis of the Trilemma Phenomenon for Apple iPhone and Samsung Galaxy," *Service Business*, Vol. 13, No. 4, December 2019, pp. 779-814, refereed

Min, Yong-Ki, Sang-Gun Lee and Yaichi Aoshima, "A Comparative Study on Industrial Spillover Effects among Korea, China, the USA, Germany and Japan," *Industrial Management & Data Systems*, Vol. 119, Issue 3, April 2019, pp. 454 - 472, refereed

(In Japanese)

Aoshima, Yaichi, Hiroki Ichinose and Hideaki Taura, "New Business Creation by Combining Resources of the Established Firms with Startup Activities," *Hitotsubashi Business Review*, Vol. 68, No. 1, pp. 14-31, June 2020

Aoshima, Yaichi and Ryusuke Murakami, "Asahi Kasei Corporate Venture Capital: New Business Creation through Venture Investment," *Hitotsubashi Business Review*, Vol. 68, No. 1, pp. 64-80, June 2020

Matsushima, Kazunari, Yaichi Aoshima and Naoki Takada, "Influences by Involvement of Supported and Supporting Organizations on Publicly Supported Private-sector R&D Projects," *The Journal of Science Policy and Research Management*, Vol. 34, No. 4, December 2019, pp. 423-439, refereed

Takeishi, Akira and Yaichi Aoshima, “Business Case / Shimano: Untiring Challenges of a Leading Bicycle Component Manufacture,” *Hitotsubashi Business Review*, Vol. 67, No. 1, June 2019, pp. 114-140

1.3. Others

(In Japanese)

Aoshima, Yaichi, “Innovation and Japanese Companies (1): Stop Internalizing Everything and Collaborate with Others,” *Nihon Keizai Shimbun*, Morning Edition, October 3, 2019, p. 35

Aoshima, Yaichi, “Evaluating Both Scale and Growth Potential,” *Nihon Keizai Shimbun*, Morning Edition, March 23, 2019, p. 8

“Innovation Capability: US IT Prominence, Toyota 11th and Rakuten 33rd, Nikkei/Hitotsubashi University ‘Innovation Capability’ Ranking,” *Nihon Keizai Shimbun*, Morning Edition, December 19, 2018, p. 1

(Book Review, in Japanese)

Tatsumoto, Hirofumi, *Platform Strategy for Global Markets: The Strategic Use of Open Standards and the Management of Business Ecosystems, Shosainomado* (The Window of Author’s Study), Yuhikaku, No. 657, May 2018, pp. 42-56

2. Unpublished Work

2.1. Case Study

(In Japanese)

Miura, Yurie and Yaichi Aoshima, “Challenges by Nanao City for Town Development,” IIR Case Study CASE#19-05, March 2019

3. Conference Papers, Presentations

Aoshima, Yaichi and Akira Yamaguchi, “Influences of Adopting IFRS on the R&D Investment: Evidence from Japanese Listed Companies,” IIR Brown Bag Lunch Seminar, February 19, 2020, IIR

Aoshima, Yaichi, “Expanding the Limits of Problem-solving: How Has the Life of Optical Lithography Technology Been Repeatedly Extended?,” IIR Brown Bag Lunch Seminar, May 29, 2019, IIR

Aoshima, Yaichi, Kazunari Matsushima and Naoki Takada, “How Do Influences of Funding and Funded Organizations Affect Performance of Publicly-Supported Private R&D Projects?,” PICMET’18, Portland International Center for Management of Engineering and Technology, August 22, 2018, Hawaii, USA, refereed

4. Award

60th Mainichi Shimbun Economist Award (March 2020), Fujiwara, Masatoshi and Yaichi Aoshima, *Mechanisms for the Long-term Innovation: A History of the RO Membrane's Technological Development*, Tokyo: Toyo Keizai Shimposha, August 2019



Manabu Eto

■ Education

- 2008 Ph.D. (Engineering), Tohoku University
- 1985 M.E. (Engineering Science), Osaka University
- 1983 B.E. (Engineering Science), Osaka University

■ Professional Positions

- 2016~ Professor, Institute of Innovation Research, Hitotsubashi University
- 2013 Adjunct Professor, Institute of Innovation Research, Hitotsubashi University
- 2011 Director General, JETRO Geneva (~July 2013)
- 2008 Professor, Institute of Innovation Research, Hitotsubashi University (~March 2011)
- 2006~ Consulting Fellow, Research Institute of Economy, Trade and Industry (RIETI)
- 2006 Director, Conformity Assessment Division, Industry Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry (METI) (~2008)
- 2004 National Institute of Advanced Industrial Science and Technology (~2005)
- 2000 Delegation of Japan to the OECD (~2004)
- 1995 Assistant Professor, University of Tsukuba (~1997)
- 1994 Visiting Scholar, University of New Mexico (~1995)
- 1989 Science and Technology Agency (~1990)
- 1985 Ministry of International Trade and Industry (MITI)

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

Eto, Manabu, “Profit Expansion Method by Standard as an Outbound Open Innovation,” in Jakobs, Kai ed., *Corporate Standardization Management and Innovation*, Pennsylvania: IGI Global, April 2020, pp. 256-276

Eto, Manabu, “The Business Effects of Standardization for SMEs,” *International Journal of Standardization Research* (IJSR), Vol. 17, Issue 2, July-December 2019, pp. 21-40, refereed

De Vries, Henk, Kai Jakobs, Tineke Egyedi, Manabu Eto, Stephan Fertig, Olia Kanevskaia, Louise Klintner, Claudia Koch, Ivana Mijatovic, Mona Mirtsch, Piergiuseppe Morone, Marta Orviska, Cesare Riillo and Gianluca Scaramuzzino, “Standardization: Towards an Agenda for Research,” *International Journal of Standardization Research*, Vol. 16, Issue 1, June 2018, pp. 52-59, refereed

(In Japanese)

Eto, Manabu and Yuichi Washida, “International Standardization from JAPAN (3) - (10),” *Hitotsubashi Business Review*, Vol. 66, No. 1 - Vol. 67, No. 1, Vol. 67, No. 3, Vol. 67, No. 4, Vol. 68, No. 1, June 2018-June 2019, December 2019, March 2020, June 2020

Eto, Manabu, “Business Case / Mercari: Idea and Realization of ‘World-class Services’,” *Hitotsubashi Business Review*, Vol. 67, No. 1, June 2019, pp. 156-166

Oda, Hajime and Manabu Eto, “Differences Between First and Late Movers in Understanding a New Market: A Case Study of Structuration Process of Electric Assist Bicycles Market,” *Soshiki Kagaku* (Organizational Science), Academic Association for Organizational Science, Vol. 52, Issue 3, March 2019, pp. 33-46, refereed

Eto, Manabu, “Necessity of Developing Standards Professionals,” *Hyojyunka to Hinshitsukanri* (Standardization and Quality Control), Japanese Standards Association, Vol. 71, No. 4, April 2018, pp. 4-9

2. Unpublished Work

2.1. Case Studies

(In Japanese)

Kobayashi, Shinya and Manabu Eto, “A Case Study of Shirasu-Daichi: Kagoshima’s Challenges to Utilize the Broad Pyroclastic Plateau as Industrial Resources,” IIR Case Study CASE#19-06, March 2019

Oda, Hajime and Manabu Eto, “Case Study of Regional Innovation: Yamako Takeda Shouten Co Ltd,” IIR Case Study CASE#18-01, May 2018

3. Conference Papers, Presentations

Eto, Manabu, “The Status of an Intensive Seminar on Standardization in Japan,” the International Cooperation for Education about Standardization (ICES) 2019, 10-11 October 2019, University of Belgrade, Belgrade, Yugoslavia

Eto, Manabu and Yuichi Washida, “Influence of Photocatalytic Technology Standardization,” 24th EURAS Annual Standardisation Conference, organized by the European Academy for Standardisation, 13 June, 2019, LUISS Guido Carli University, Rome, Italy, refereed

Eto, Manabu, “Profit Expansion Method by Outbound Open Innovation,” 2018 Portland International Conference on Management of Engineering and Technology (PICMET), August 20, 2018, Honolulu, Hawaii, USA, refereed

Eto, Manabu, “The Business Effects of Standardisation for SMEs,” 23rd EURAS Annual Standardization Conference, hosted by the European Academy for Standardization, June 14, 2018, Dublin City University, Ireland, refereed

(In Japanese)

Eto, Manabu, “Possibility of RAND Declaration for non-SEP to Eliminate Patent Thickets: Background of the Nanocellulose Forum IP Task Team,” the 16th Annual Meeting of the Intellectual Property Association of Japan, December 2, 2018, Umeda Campus, Osaka Institute of Technology

Eto, Manabu and Tohru Yoshioka-Kobayashi, “Innovation Stifled by Science-insufficient Technology: The Case of the Fine Bubble,” 33rd Annual Meeting of the Japan Society for Research Policy and Innovation Management, October 28, 2018, Hongo Campus, the University of Tokyo



Akira Izumi

■ Education

- 2008 Ph.D. (Engineering), Tohoku University
- 1999 M.A. (Law and Diplomacy), Fletcher School of Law and Diplomacy, Tufts University
- 1989 M.E. (Physical Electronics), Tokyo Institute of Technology
- 1987 B.E. (Physical Electronics), Tokyo Institute of Technology

■ Professional Positions

- 2020~ Specially Appointed Professor, Innovator and Inventor Development Platform, Tokyo Institute of Technology
- 2020 Minister's Secretariat, Ministry of Economy, Trade and Industry (~2020)
- 2017 Professor, Institute of Innovation Research, Hitotsubashi University (~2020)
- 2015 Director-General, National Institute of Technology and Evaluation (NITE) (~2017)
- 2014 Director, International Electrotechnology Division, METI (~2015)
- 2013 Director, Conformity Assessment Division, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry (METI) (~2014)
- 2010 Director-General, New Energy and Industrial Technology Development Organization (NEDO) (~2013)
- 2003 Advisor, Tokyo Branch, Deutsche Security (~2005)
- 1989 Ministry of International Trade and Industry (MITI)

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

(In Japanese)

- Izumi, Akira, Kengo Maeno and Yuya Hikita, "Safety of Consumer Products: New Innovation by Using Big Data and IoT," *Hitotsubashi Business Review*, Vol. 67, No. 3, December 2019, pp. 30-41
- Izumi, Akira, "ELIYY Power: Commercialization of High-capacity Lithium-ion Battery Systems for Electricity Storage by Outstanding Technology Management," *Hitotsubashi Business Review*, Vol. 66, No. 4, March 2019, pp. 64-77
- Izumi, Akira, "Innovation Management and Policy Program (IMPP), Hitotsubashi University Institute of Innovation Research," *Gazo Denshi Gakkaishi* (Visual Computing, Devices and Communications), the Institute of Image Electronics Engineers of Japan, Vol. 48, No. 1, January 2019, pp. 178-179
- Izumi, Akira, "Formation of Field Innovation in Safety Systems," in Kikuchi, Junichi and Naoto Kobayashi, eds., *Field Innovation: Theory and Practice for Collaborative Creation of Various Things and Events*, Tokyo: Chuo Keizaisha, September 2018, Chap. 11, pp. 269-286

2. Conference Papers, Presentations

Izumi, Akira, “Validity of an International Standard on Quality Management System for Rail Sector and its Certification on Japanese Rolling Stock Manufacturers,” 24th EURAS Annual Standardisation Conference, organized by the European Academy for Standardisation, 14 June 2019, LUISS Guido Carli University, Rome, Italy, refereed

Izumi, Akira (Poster), “Joint Lectures by Five Universities in Tama, Tokyo on Standardization,” Standards Education Exhibition, IEC (International Electrotechnical Commission), October 21-26, 2018, Busan, Korea

(In Japanese)

Izumi, Akira, “Considerations on Submissions of Patent Declarations for ISO (International Organization for Standardization), and Their Impacts on International Standardization Activities,” 17th Annual Meeting of the Intellectual Property Association of Japan, December 8, 2019, Ookayama Campus, Tokyo Institute of Technology

Izumi, Akira, “Considerations on Patent Registrations Related to Outputs from NEDO R&D Projects,” 34th Annual Meeting of the Japan Society for Research Policy and Innovation Management, October 27, 2019, National Graduate Institute for Policy Studies

Izumi, Akira, “Current Situations and Future Perspective of Education on Standardization in Universities,” 2019 Society Meeting of the Institute of Electronics, Information and Communication Engineers (IEICE), September 12, 2019, Toyonaka Campus, Osaka University, invited

Izumi, Akira, “Testing and Conformity Assessment for Standards in the Field of Imaging Technologies,” 47th Annual Meeting of the Institute of Electronics, Information and Communication Engineers (IEICE), June 27, 2019, Waseda University, International Conference Center

Izumi, Akira, “International Standardization Organizations related to Imaging Technologies and Their Recent Activities,” 22nd IEEEJ SIG on International Standardization Education, hosted by the Institute of Image Electronics Engineers of Japan, January 29, 2019, West Campus, Waseda University

Izumi, Akira, “Considerations on Submissions of Patent Declarations for IEC (International Electrotechnical Commission), and Strategies of Private Companies in the World,” 16th Annual Meeting of the Intellectual Property Association of Japan, December 2, 2018, Umeda Campus, Osaka Institute of Technology

Izumi, Akira, “International Standardization Activities and Conformity Assessment Related to Imaging Technologies, and Their Impacts on Business and Society,” 5th Fall Meeting of Federation of Imaging Societies, November 17, 2018, Kyoto Institute of Technology

Izumi, Akira, “Considerations on the Relationship between the Type of Private Companies’ Participation in NEDO R&D Projects and their Continuous Use of Outputs Obtained from the Projects,” 33rd Annual Meeting of the Japan Society for Research Policy and Innovation Management, October 27, 2018, Hongo Campus, the University of Tokyo



Byeongwoo Kang

■ Education

- 2014 Ph.D. (Technology Management), Graduate School of Engineering, The University of Tokyo
- 2008 M.S., Graduate School of Engineering, Tohoku University
- 2006 B.S., School of Engineering, Tohoku University

■ Professional Positions

- 2019~ Associate Professor, Institute of Innovation Research, Hitotsubashi University
- 2016 Assistant Professor, Institute of Innovation Research, Hitotsubashi University
- 2014 Researcher, Institute of Developing Economies (IDE-JETRO) (~2016)
- 2008 Researcher, LG Electronics (~2011)

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

Kang, Byeongwoo and Kazuyuki Motohashi, “Academic Contribution to Industrial Innovation by Funding Type,” *Scientometrics*, March 2020, <https://link.springer.com/article/10.1007/s11192-020-03420-w>, refereed

Dang, Jianwei, Byeongwoo Kang and Ke Ding, “International Protection of Standard Essential Patents,” *Technological Forecasting and Social Change*, Vol. 139, February 2019, pp. 75–86, refereed

(In Korean)

Kang, Byeongwoo, “3. Standard Essential Patent War: Samsung vs Apple,” *4.0 Industry and Standardization: Case Studies*, Seoul: Pakyoungsa, July 2019, pp. 43-62

(In Japanese)

Kang, Byeongwoo and Daisuke Sasaki, “freee: Entrepreneur through Various Career Experiences,” *Hitotsubashi Business Review*, Vol. 66, No. 4, March 2019, pp. 8-18

2. Unpublished Work

2.1. Working Papers

Tomiura, Eiichi, Banri Ito and Byeongwoo Kang, “Characteristics of Firms Transmitting Data across Borders: Evidence from Japanese Firm-level Data,” RIETI Discussion Paper Series 20-E-048, May 2020

Tomiura, Eiichi, Banri Ito and Byeongwoo Kang, “Effects of Regulations on Cross-border Data Flows: Evidence from a Survey of Japanese Firms,” RIETI Discussion Paper Series 19-E-088, October 2019

Kang, Byeongwoo and Kazuyuki Motohashi, “Funding Sources and the Academic Contribution to Technological Knowledge Development: Evidence from Japan,” NISTEP Discussion Paper No. 161, October 2018

Kang, Byeongwoo, “Innovation Processes in Public Research Institutes: Case of AIST, Fraunhofer, and ITRI,” WIAPS Discussion Paper Series No. 2018-E-1, January 2019

3. Conference Papers, Presentations

Kang, Byeongwoo, “Geography of Innovation,” Empirical Analysis of University Startups, October 24, 2019, Zhejiang University, Zhejiang, China

Kang, Byeongwoo, “Does Funding Source Matter for Academic Patenting Outcomes? Evidence from Japan,” Asialics 2019, July 26-27, 2019, Sungkyunkwan University, Seoul, Korea

Kang, Byeongwoo, “Comments on “Over-Declaration of SEPs and the Determinants of Essentiality,” First Annual Empirical Workshop on Standardization, May 22-23, 2019, Northwestern University, IL, USA, invited

Kang, Byeongwoo, “Funding Sources and the Academic Technology Development,” IIR Brown Bag Lunch Seminar, May 8, 2019, IIR

Kang, Byeongwoo, Discussion on “Technological Diversity and Firm Performance: The Moderating Role of Technological Opportunity and Network Position,” Conference on China’s Innovation System: Understanding Complex System by New Data, November 4, 2018, Tongji University, Shanghai, China

Kang, Byeongwoo and Kazuyuki Motohashi, “Funding Sources and the Academic Contribution to Technological Knowledge Development: Evidence from Japan,” NISTEP Workshop, August 1, 2018, NISTEP, Tokyo

Kang, Byeongwoo and Ashish Bharadwaj, “How Does Innovation Occur in India? Evidence from the JIRICO Survey,” the 17th International Schumpeter Society Conference, July 2-4, 2018, Seoul National University, Seoul, Korea, refereed

4. Awards

KDDI Foundation Encouragement Award 2019, Achievements: Empirical Studies on Standard Essential Patents in the Mobile Communications Industry, Organization: KDDI Foundation, March 2020

Young Scholars Award 2018, Organization: the International Schumpeter Society, Article Title: How Does Innovation Occur in India? Evidence from the JIRICO Survey, July 2018



Masaru Karube

■ Education

- 1998 Doctor of Commerce, Hitotsubashi University
- 1995 Master of Commerce, Hitotsubashi University
- 1993 B.A. (Commerce), Hitotsubashi University

■ Professional Positions

- 2017~ Professor, Institute of Innovation Research, Hitotsubashi University
- 2006 Fulbright Visiting Scholar, Bryn Mawr College / The Wharton School of the University of Pennsylvania (~2007)
- 2002 Associate Professor, Institute of Innovation Research, Hitotsubashi University
- 1998 Lecturer, Faculty of Business Administration, Tokyo Keizai University

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

(In Japanese)

Karube, Masaru, “Business Case / Nakamura Brace: Turning Unvoiced Needs into Reality,” *Hitotsubashi Business Review*, Vol. 68, No. 1, June 2020, pp. 144-158

Karube, Masaru, Shinya Kobayashi, Rino Onodera and Gao Ryuijia, “Business Case / Mamasquare: How Stay-at-home Moms Can Play the Leading Role in Society,” *Hitotsubashi Business Review*, Vol. 67, No. 2, September 2019, pp. 122-136

Karube, Masaru and Daisuke Uchida, “Business Case / Challenge and Evolution: Panasonic Home Appliances Refrigerator (Wuxi) Co., Ltd.,” *Hitotsubashi Business Review*, Vol. 66, No. 2, September 2018, pp. 150-163

1.2. Others

(In Japanese)

Karube, Masaru, “New Perspective on How To Make Decisions within the Large Established Firms,” *Asahi Shimbun*, Morning Edition, April 21, 2019, Opinion, p. 9, “Internal Meetings for Taking Corporate Inaction”

2. Conference Papers, Presentations

Karube, Masaru, “Institutional Resource or Constraint? How Do Political Connections Embrace Technological Entrepreneurship in China?,” 2019 Annual Meeting, Society for the Advancement of Socio-Economics (SASE), June 28, 2019, the New School, NY, USA, refereed

- Karube, Masaru and Hironori Fukukawa, “Unequal Punishment for Professionals: How Audit Firms Respond to Their Accountants’ Misconduct in Financial Statements,” Asia Trilateral Seminar, co-hosted by Hitotsubashi University Business School, Korea University Business School and Peking University HSBC Business School, September 11, 2018, Sano-shoin Hall, Hitotsubashi University
- Karube, Masaru, Uchida Daisuke and Haxhi Ilir, “Understanding Post-IPO Struggles: Evidence from Japanese Startups,” 78th Annual Meeting of the Academy of Management, August 14, 2018, Chicago, Illinois, USA, refereed
- Karube, Masaru, Daisuke Uchida and Hironori Fukukawa, “Unequal Punishment for Professionals: How Audit Firms Respond to Their Accountants’ Misconduct in Financial Statements,” EURAM 18 ‘Research in Action’, hosted by European Academy of Management, June 21, 2018, University of Iceland, Reykjavik, Iceland, refereed
- Karube, Masaru, Daisuke Uchida and Ilir Haxhi, “When and How CEO and Professionals Pull the Plug on their Relationship? Exploring Dissolution of Client-Auditor Relationship for the Post IPO Firms,” 2018 Babson College Entrepreneurship Research Conference (BCERC), June 7, 2018, Waterford Institute of Technology, Waterford, Ireland, refereed
- Karube, Masaru, Hironori Fukukawa and Daisuke Uchida, “Unequal Punishment for Professionals: How Audit Firms Respond to Their Accountants’ Misconduct in Financial Statements,” 41st Annual Congress of European Accounting Association, June 1, 2018, Bocconi University, Milan, Italy, refereed



Kentaro Nakajima

■ Education

- 2008 Ph.D. (Economics), Graduate School of Economics, the University of Tokyo
- 2003 B.A. (Economics), Department of Economics, the University of Tokyo

■ Professional Positions

- 2017~ Associate Professor, Institute of Innovation Research, Hitotsubashi University
- 2011 Associate Professor, Graduate School of Economics and Management, Tohoku University
- 2010 Associate Professor, Center for Economic Institutions, Institute of Economic Research, Hitotsubashi University
- 2008 Associate Professor, Endowed Chair in Regional Economy and Banking (The 77 Bank), Graduate School of Economics and Management, Tohoku University

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

Gokan, Toshitaka, Ikuo Kuroiwa and Kentaro Nakajima, “Agglomeration Economies in Vietnam: A Firm-Level Analysis,” *Journal of Asian Economics*, Vol. 62, June 2019, pp. 52-64, refereed

Inoue, Hiroyasu, Kentaro Nakajima and Yukiko Umeno Saito, “Localization of Collaborations in Knowledge Creation,” *The Annals of Regional Science*, Vol. 62, No. 1, February 2019, pp.119-140, refereed

Nakajima, Kentaro and Tetsuji Okazaki, “The Expanding Empire and Spatial Distribution of Economic Activities: The Case of Japan’s Colonization of Korea during the Pre-war Period,” *Economic History Review*, Vol. 71, Issue 2, May 2018, pp. 593-616, refereed

(In Japanese)

Nakajima, Kentaro, “Geography of Knowledge Creation (Chiteki Seisan Katsudou no Keizai Kukan),” in Ui, Takashi, Takashi Kano, Chiaki Hara and Toshiaki Watanabe, eds., *Trends in Modern Economics 2019*, Tokyo: Toyo Keizai Shimposha, Chap. 5, August 2019, pp. 127-148

Nakajima, Kentaro, “Market Access and Economic Activities (Shijo Kinsetsusei to Keizai Katsudo),” *The Quarterly Journal of Housing and Land Economics* (Jyūtaku Tochi Keizai), Housing Research & Advancement Foundation of Japan, Vol. 110, October 2018, pp. 22-27

Nakajima, Kentaro, “Transportations and Regional Economy,” in Fukao, Kyoji, Naofumi Nakamura and Masaki Nakabayashi, eds., *Iwanami Koza “History of Japanese Economy”*, Volume 6, Tokyo: Iwanami Shoten, May 2018, pp. 275-287

1.2. Others

(In Japanese)

Nakajima, Kentaro, “Policy Evaluation of Transport Infrastructure (Koutsu Infura Seibi no Seisaku Hyoka Kenkyu),” *Transport Policy in Perspective 2019* (Jidosha Koutsu Kenkyu 2019), the Japan Research Center for Transport Policy, October 2019, pp. 24-25

2. Unpublished Work

2.1. Working Papers

Nakajima, Kentaro and Kensuke Teshima, “Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market,” RIETI Discussion Paper Series, 18-E-044, July 2018

(In Japanese)

Inoue, Hiroyasu, Tetsuji Okazaki, Yukiko Saito and Kentaro Nakajima, “Innovation Activities in Prewar Japan: Patent Bibliographic Information Database,” RIETI Discussion Paper Series, 20-P-012, April 2020

Kiyota, Kozo, Miho Takizawa and Kentaro Nakajima, “Local Labor Market Effects of Foreign Direct Investment,” RIETI Discussion Paper Series, 19-J-038, July 2019

3. Conference Papers, Presentations

Nakajima, Kentaro, “Estimating the Impact of Building Height Restrictions on Land Price (joint with Keisuke Takano),” The First Workshop on “Adjustment to Globalization”, January 31, 2020, Keio University, Mita Campus, invited

Nakajima, Kentaro, “Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors,” Research Seminar, December 20, 2019, Hosei University, invited

Nakajima, Kentaro, “Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors,” 9th Meetings on Applied Economics and Data Science, November 2, 2019, Kwansei Gakuin University, invited

Nakajima, Kentaro, “Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors,” 14th Meeting of the Urban Economics Association, October 11-12, 2019, Federal Reserve Bank of Philadelphia, Philadelphia, USA, refereed

Nakajima, Kentaro, “The Impact of the Opening of High-Speed Rail on Innovation,” Urban Economics Workshop, July 26, 2019, Kyoto University, invited

Nakajima, Kentaro, “Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors,” 9th European Meeting of the Urban Economics Association, May 31, 2019, Vrije Universiteit Amsterdam, Amsterdam, Holland, refereed

- Nakajima, Kentaro, "Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors," Research Seminar, January 25, 2019, Otaru University of Commerce, invited
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," Research Seminar, January 24, 2019, Hokkaido University, invited
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," Research Seminar, January 17, 2019, Yokohama National University, invited
- Nakajima, Kentaro, "Supply Elasticity of Housing Market in Japan," 32nd Annual Meeting of the Applied Regional Science Conference (ARSC), December 1, 2018, Nagoya Campus, Nanzan University, refereed
- Nakajima, Kentaro, "Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors," Kansai Labor Economics Workshop, November 16, 2018, Osaka University, invited
- Nakajima, Kentaro, "The Impact of High-Speed Rail on Innovation," ADB Institute Conference, November 14, 2018, ADB Institute, invited
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," Research Seminar, October 26, 2018, Waseda University, invited
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," GRIPS/U-Tokyo Applied Economics Workshop, October 24, 2018, National Graduate Institute for Policy Studies, refereed
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," Research Seminar, September 21, 2018, Tokyo University of Science, invited
- Nakajima, Kentaro, "Estimating the Impact of Building Height Restrictions on Land Price," Kyoto Summer Workshop on Applied Economics, August 4, 2018, Kyoto University, invited
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," Policy Modeling Workshop, July 14, 2018, National Graduate Institute for Policy Studies, invited
- Nakajima, Kentaro, "Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors," Tokyo Labor Economics Workshop, July 6, 2018, the University of Tokyo, invited
- Nakajima, Kentaro, "Identifying Neighborhood Effects among Firms: Evidence from the Location Lotteries of the Tokyo Tsukiji Fish Market," Society of Economic Dynamics Annual Meeting, June 29, 2018, Mexico City, Mexico, refereed

Nakajima, Kentaro, “The Impact of High-Speed Rail on Innovation,” the Spring Meeting of the Japanese Economic Association 2018, June 9, 2018, University of Hyogo, refereed

Nakajima, Kentaro, “Impact of Workplace Communication Networks on Productivity: A New Approach Using Wearable Sensors,” Society of Labor Economists Annual Meeting, May 5, 2018, Toronto, Canada, refereed

(In Japanese)

Nakajima, Kentaro, “Empirics on Urban Economics,” Workshop on Multitrack Event-trains in Neural, Social, Seismological, and Financial Data, July 19, 2019, the Institute of Statistical Mathematics, invited

Nakajima, Kentaro, “Empirics on Urban Economics,” Research Seminar, September 18, 2019, Nihon University, invited

Nakajima, Kentaro, “Innovation and City (Special Talk),” the Autumn Meeting of the Japanese Economic Association 2018, September 8, 2018, Gakushuin University, invited



Kentaro Nobeoka

■ Education

- 2001 Ph.D. (Business Administration), Kobe University
- 1993 Ph.D. (Business Administration), Sloan School of Management, Massachusetts Institute of Technology
- 1988 M.B.A., Sloan School of Management, Massachusetts Institute of Technology
- 1981 B.S. (Engineering), Osaka University

■ Professional Positions

- 2018~ Professor, Graduate School of Economics, Osaka University
- 2012 Director, Institute of Innovation Research, Hitotsubashi University (~March 2018)
- 2008 Professor, Institute of Innovation Research, Hitotsubashi University (~September 2018)
- 1999 Professor, Research Institute for Economics & Business Administration, Kobe University (~2008)
- 1994 Associate Professor, Research Institute for Economics & Business Administration, Kobe University (~1999)
- 1981 Mazda Motor Corporation (~1989)

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

(In Japanese)

Nobeoka, Kentaro and Jhelun Bai, “Business Case / Gogoro: Innovation of New Smart Electric Scooter,” *Hitotsubashi Business Review*, Vol. 66, No. 3, December 2018, pp. 90-106

Nobeoka, Kentaro and Kan Matsuoka, “Customer Value of Automobile: Global Trends of Non-Functional Value,” *Hitotsubashi Business Review*, Vol. 66, No. 2, September 2018, pp. 108-123

1.2. Others

(In Japanese)

Nobeoka, Kentaro, “Customer Value Innovation with SEDA Model,” *DIAMOND Quarterly*, SPRING 2018 issue, April 2018, pp. 4-13



Atsushi Ohyama

■ Education

- 2008 Ph.D. (Economics), State University of New York at Buffalo
- 2002 M.A. (Economics), University of Chicago
- 1999 M.A. (Economics), Graduate School of Economics, Keio University
- 1997 B.A., Department of Commerce, Yokohama City University

■ Professional Positions

- 2017 Visiting Fellow, Robert H. Smith School of Business, University of Maryland (~March 2018)
- 2015~ Associate Professor, Institute of Innovation Research, Hitotsubashi University
- 2010 Associate Professor, Graduate School of Economics and Business Administration, Hokkaido University
- 2009 Lecturer, School of Management, University of Illinois at Urbana-Champaign
- 2008 Post-doctorate Researcher, IGB, University of Illinois at Urbana-Champaign

■ Research Achievements

1. Publications

1.1. Articles and Chapters in Books

Agarwal, Rajshree, Serguey Braguinsky and Atsushi Ohyama, “Centers of Gravity: The Effect of Stable Shared Leadership in Top Management Teams on Firm Growth and Industry Evolution,” *Strategic Management Journal*, Vol. 41, Issue 3, March 2020, pp. 467-498, refereed

(In Japanese)

Ohyama, Atsushi, Ryo Kambayashi, Taisuke Kameda, Takuma Kawamoto and Shigeru Sugihara, “Management Practices for Improving Productivity: Evidence from Japan MOPS,” *Tōkei*, Japan Statistical Association, Vol. 69, No. 9, September 2018, pp. 20-29

2. Unpublished Work

2.1. Working Paper

Braguinsky, Serguey, Atsushi Ohyama, Tetsuji Okazaki and Chad Syverson, “Product Innovation, Product Diversification and Firm Growth: Evidence from Japan’s Early Industrialization,” NBER Working Paper, No. 26665, January 2020

3. Conference Papers, Presentations

Ohyama, Atsushi, “Overview of JP MOPS Project,” US Census, International MOPS Conference, Maryland, USA, December 11, 2019, USA

Ohyama, Atsushi, “Overview of JP MOPS Project,” ESCoE (Economic Statistics Centre of Excellence) Workshop: Management Practices and Productivity: Evidence from Germany, Japan and the UK, June 19, 2019, National Institute of Economics and Social Research, London

Ohyama, Atsushi, “Product Innovation, Product Diversification and Firm Growth,” Applied Micro Economics Seminar, March 12, 2019, Tokyo Keizai University, invited

Ohyama, Atsushi, “A Source of Different Management Styles,” Empirical Management Conference, December 18, 2018, Harvard Business School, refereed

(In Japanese)

Ohyama, Atsushi, “Management and Productivity,” 5th Policy Forum of Hitotsubashi University, February 21, 2020, Gakujutsu Sogo Center, Tokyo



Hiroshi Shimizu

■ Education

- 2007 Ph.D. (Economic History), London School of Economics and Political Science, University of London
- 2002 M.A. (History), Northwestern University
- 1999 M.A. (Commerce), Hitotsubashi University
- 1997 B.A. (Commerce), Chuo University

■ Professional Positions

- 2019~ Professor, School of Commerce, Waseda University
- 2017 Professor, Institute of Innovation Research, Hitotsubashi University (~2019)
- 2011 Associate Professor, Institute of Innovation Research, Hitotsubashi University
- 2008 Assistant Professor, Institute of Innovation Research, Hitotsubashi University
- 2007 Postdoctoral Fellow, Department of Technology Management, Eindhoven University of Technology

■ Research Achievements

1. Publications

1.1. Book

Shimizu, Hiroshi, *General Purpose Technology, Spin-out, and Innovation: Technological Development of Laser Diodes in the United States and Japan*, Springer: Singapore, May 2019, 312 pages

1.2. Articles and Chapters in Books

(In Japanese)

Shimizu, Hiroshi, Taketoshi Yamaguchi and Nobuyoshi Yamasaki, "TBM: Green Entrepreneur Solving Environmental Problems by Innovation," *Hitotsubashi Business Review*, Vol. 66, No. 4, March 2019, pp. 34-46

Nitta, Ryuji, Shotaro Yamaguchi and Hiroshi Shimizu, "Business Case / Benesse Art Site Naoshima: Corporate Identity Building and Local Development," *Hitotsubashi Business Review*, Vol. 66, No. 4, March 2019, pp. 110-123

1.3. Others

Shimizu, Hiroshi, Shotaro Yamaguchi and Donghoon Kim, "Innovation and Mobility: Dilemma between Firm Growth and Industrial Renaissance," *Securities Analysts Journal*, the Securities Analysts Association of Japan, Vol. 56, No. 6, June 2018, pp. 6-15

2. Unpublished Work

2.1. Working Paper

Yamaguchi, Shotaro, Ryuji Nitta, Yasushi Hara and Hiroshi Shimizu, “Staying Young at Heart or Wisdom of Age: Longitudinal Analysis of Age and Performance in US and Japanese Firms,” IIR Working Paper WP#18-41, June 2018

(In Japanese)

Shimizu, Hiroshi, Akito Inoue, Morihiro Shigihara and Ayako Matsui, “Taro Ohashi, Oral History (3rd, 2): Game Softs and Game Goods Distribution at Dempa Shimbun,” IIR Working Paper WP#19-20, February 2019

Shimizu, Hiroshi, Akito Inoue, Morihiro Shigihara and Ayako Matsui, “Taro Ohashi, Oral History (3rd, 1): Game Softs and Game Goods Distribution at Dempa Shimbun,” IIR Working Paper WP#19-19, February 2019

Shimizu, Hiroshi, Manabu Eto, Fumihiko Ikuine and Morihiro Shigihara, “Tohru Iwatani, Oral History (2nd, 2): Game Development at Namco in the Early Days of Video Game History,” IIR Working Paper WP#19-06, February 2019

Shimizu, Hiroshi, Manabu Eto, Fumihiko Ikuine and Morihiro Shigihara, “Tohru Iwatani, Oral History (2nd, 1): Game Development at Namco in the Early Days of Video Game History,” IIR Working Paper WP#19-05, February 2019

Shimizu, Hiroshi, Morihiro Shigihara and Shotaro Yamaguchi, “Hideki Sato, Oral History (4th, 2): Game Development at SEGA and its Corporate Culture,” IIR Working Paper WP#19-02, January 2019

Shimizu, Hiroshi, Morihiro Shigihara and Shotaro Yamaguchi, “Hideki Sato, Oral History (4th, 1): Game Development at SEGA and its Corporate Culture,” IIR Working Paper WP#19-01, January 2019

Shimizu, Hiroshi, Kazufumi Fukuda, Akihito Inoue, Morihiro Shigihara and Ayako Matsui, “Yoshiaki Inose, Oral History (1st, 2): Game Development at TEHKAN and TECMO,” IIR Working Paper WP#18-45, December 2018

Shimizu, Hiroshi, Kazufumi Fukuda, Akihito Inoue, Morihiro Shigihara and Ayako Matsui, “Yoshiaki Inose, Oral History (1st, 1): Game Development at TEHKAN and TECMO,” IIR Working Paper WP#18-44, December 2018



Tohru Yoshioka-Kobayashi

■ Education

- 2015 Doctor of Engineering, Department of Technology Management for Innovation, Graduate School of Engineering, the University of Tokyo
- 2007 LL.M, Graduate School of Law, Osaka University
- 2005 B.A., School of Law, Osaka University

■ Professional Positions

- 2019~ Assistant Professor, Institute of Innovation Research, Hitotsubashi University
- 2017 Adjunct Assistant Professor, Institute of Innovation Research, Hitotsubashi University (~2019)
- 2016 Project Research Associate, Department of Technology Management for Innovation, Graduate School of Engineering, the University of Tokyo (~2019)
- 2015 Project Assistant Professor, Graduate School of Public Policy, the University of Tokyo (~2016)
- 2015 Adjunct Assistant Professor, Institute of Innovation Research, Hitotsubashi University (~2016)
- 2014 Research Fellowship for Young Scientists (DC2), Japan Society for the Promotion of Science (~2015)
- 2013 Project Research Assistant, Policy Alternative Research Institute, the University of Tokyo (~2014)
- 2009 Project Researcher, Policy Alternative Research Institute, the University of Tokyo (~2012)
- 2007 Policy Analyst, Mitsubishi Research Institute, Inc. (~2012)

■ Research Achievements

1. Publications

1.1. Book

(In Japanese)

Kanama, Daisuke, Isamu Yamauchi and Tohru Yoshioka-Kobayashi, *Economics of Innovation and Marketing*, Tokyo: Chuo Keizaisha, April 2019, 228 pages

1.2. Articles and Chapters in Books

Hu, Wei, Tohru Yoshioka-Kobayashi and Toshiya Watanabe, “Determinants of Patent Infringement Awards in the US, Japan, and China: A Comparative Analysis,” *World Patent Information*, Volume 60, March 2020, Article 101947, refereed

Modic, Dolores and Tohru Yoshioka-Kobayashi, “Individual-level Determinants of Academic Patent Licensing to Start-ups: Impacts of Principal Investigators’ Embeddedness in the Industry,” in Novotny, Adam, Einar Rasmussen, Tommy H. Clause, and Johan Wiklund, eds., *Research Handbook on Start-Up Incubation Ecosystems*, Cheltenham, UK: Edward Elgar Publishing, February 2020, Chap. 19, pp. 349-365, refereed

Akiike, Atsushi, Tohru Yoshioka-Kobayashi and Sotaro Katsumata, “The Dilemma of Design Innovation: Analysis of Mobile Phone’s Design Patent,” *Annals of Business Administrative Science*, Vol. 18, No. 6, October 2019, pp. 209-222, refereed

Yoshioka-Kobayashi, Tohru, “Institutional Factors for Academic Entrepreneurship in Publicly Owned Universities in Japan: Transition from a Conservative Anti-industry University Collaboration Culture to a Leading Entrepreneurial University,” *Science, Technology and Society*, Vol. 24, No. 3, October 2019, pp. 423-445, refereed

(In Japanese)

Aminaka, Hirokazu and Tohru Yoshioka-Kobayashi, “Determinants of Donations to a Scientific Research: An Experimental Study of Motivations for Crowdfunding in Japan,” *the Journal of Science Policy and Research Management*, Vol. 35, No. 1, May 2020, pp. 77-95, refereed

Yoshioka-Kobayashi, Tohru, Yuki Maruyama, Yuri Hirai and Toshiya Watanabe, “Why ‘Hongo Valley’ Attracts High-tech Academic Spin-offs?: Determinants of an Academic Spin-off Cluster,” *Hitotsubashi Business Review*, Vol. 67, No. 4, March 2020, pp. 46-61

Yoshioka-Kobayashi, Tohru, “Why Innovation Process Matters?” in Kanama, Daisuke, Isamu Yamauchi and Tohru Yoshioka-Kobayashi, eds., *Economics of Innovation and Marketing*, Tokyo: Chuo Keizaisha, April 2019, Preface, pp. 1-12

Yoshioka-Kobayashi, Tohru, “Innovation and Branding,” *ibid*, Chap. 8, pp. 163-185

Yoshioka-Kobayashi, Tohru, “Management of Sources of Innovation,” *ibid*, Chap. 9, pp. 186-202

1.3. Others

Yoshioka-Kobayashi, Tohru, “Empirical Study on the Influence of Legal Differences in the Design Protection,” *DESIGN PROTECT*, No. 122, June 2019, pp. 9-14

2. Unpublished Work

2.1. Research Report

Furusawa, Yoko, Kazuma Edamura, Tohru Yoshioka-Kobayashi, Makiko Takahashi and Koichi Sumikura, “Estimations of the Impact of Research Administrators in Universities on Research Fund Raising Activities,” NISTEP Discussion Paper No. 179, National Institute of Science and Technology Policy, March 2020

3. Conference Papers, Presentations

Yoshioka-Kobayashi, Tohru, Junya Kataoka, and Atsushi Akiike, “Measuring Design Trends Using Design Rights: A Citation Analysis Approach to Identify Influential Product Categories in Design Development,” 4D Conference (International Conference on Meanings of Design in the Next Era), October 21-23, 2019, Osaka International Conference Center, Osaka, refereed

Yoshioka-Kobayashi, Tohru, “Designerly Thinking and Technology Innovation: A Black Box in Innovation,” Asia Pacific Innovation Conference 2019, October 10, 2019, School of Economics at Peking University, Peking, China, refereed

Yoshioka-Kobayashi, Tohru and Makiko Takahashi, “Examining Public Perception of the University-industry Collaboration Research by a Split-run Test: Pitfalls in Academic Technology Transfer Policy,” The 2019 Technology Transfer Society Annual Conference, September 27, 2019, Munk School of Global Affairs & Public Policy, University of Toronto, Toronto, Canada, refereed

Yoshioka-Kobayashi, Tohru, “Academic Defragmentation by Patent Licensing: Insights from Academic Inventor Network Analysis,” IIR Brown Bag Lunch Seminar, July 3, 2019, IIR

Yoshioka-Kobayashi, Tohru, “Evolving Groups in Networks of Academic Technology Transfer (The Future of Conducting and Publishing Research in Entrepreneurship, Innovation Management & Strategy),” May 23, 2019, Bologna Business School, Bologna, Italy, invited, refereed

(In Japanese)

Yoshioka-Kobayashi, Tohru, Junya Kataoka and Atsushi Akiike, “An Aesthetics Convergence?: A Measurement of Influential Product Categories in Styles of Products using Design Patent Citation Network Analysis,” 17th Annual Meeting of the Intellectual Property Association of Japan, December 7, 2019, Ookayama Campus, Tokyo Institute of Technology

Yoshioka-Kobayashi, Tohru, Kazuma Edamura, Yoko Furusawa, Makiko Takahashi and Koichi Sumikura, “Empirical Study on Impacts of University Research Administrator Allocations,” 34th Annual Meeting of the Japan Society for Research Policy and Innovation Management, October 27, 2019, National Graduate Institute for Policy Studies

2. International Visiting Researchers — Apr. 2018~ Mar. 2020

CUSUMANO, Michael

Professor, Sloan School of Management, Massachusetts Institute of Technology
November 1, 2019 - January 31, 2020
Research Theme: Innovation Platforms

LEE, Jungwoo

Professor, Graduate School of Information, Yonsei University
April 1, 2019 - August 24, 2019
Research Theme: Exploring Bottom Up Innovation Processes in Knowledge Intensive Organizations: Changing Nature of Knowledge Work with ICT

HEMMERT, Martin

Professor, School of Business, Korea University
September 3, 2018 - January 30, 2019
Research Theme: International Comparative Studies of Innovation Systems and Management Systems, Technology Partnership and Alliances, Entrepreneurship

III. Education



1. Courses Given by the IIR Faculty Members — Apr. 2018 ~ Mar. 2020

	Fiscal Year	
	2018	2019
School of Business Administration		
Master's and Doctoral Program		
<i>[Courses provided by the Innovation kozas]</i>		
Advanced Innovation Management / Advanced Innovation Management (Ph. D)	Karube	Karube
Advanced Innovation Economics / Advanced Innovation Economics (Ph. D)	Ohyama	Nakajima
Advanced Technology Strategy / Advanced Technology Strategy (Ph. D)		Aoshima
Advanced Intellectual Property / Advanced Intellectual Property (Ph. D)	Eto / Izumi	Eto / Izumi
Advanced Entrepreneurship / Advanced Entrepreneurship (Ph. D)	Ohyama	Kang
Advanced Science Technology and Innovation / Advanced Science Technology and Innovation (Ph. D)	Aoshima / Nakajima	Aoshima / Nakajima
Innovation, Policy and Institution / Innovation, Policy and Institution (Ph. D)	Eto / Izumi	Eto / Izumi
Innovation, Management, Economics and Policy / Innovation, Management, Economics and Policy (Ph. D)	Aoshima / Eto / Nakajima	Aoshima / Eto / Nakajima
Innovation Research Methods / Innovation Research Methods (Ph. D)	Aoshima / Eto / Nakajima / Yoshioka-Ko- bayashi	Aoshima / Eto / Nakajima
Innovation Research Seminar I / Innovation Research Seminar I (Ph. D)	Aoshima / Eto	Aoshima / Eto
Innovation Research Seminar II / Innovation Research Seminar II (Ph. D)	Aoshima / Eto	Aoshima / Eto
Special Lecture (International Comparison in Innovation A)		ElSabry
Advanced Business Economics / Advanced Business Economics (Ph. D)		Ohyama
Seminar / Seminar (Ph. D)	Aoshima / Eto / Ohyama / Karube / Kang / Shimizu / Nakajima	Aoshima / Eto / Ohyama / Karube / Kang / Nakajima / Yoshioka-Ko- bayashi
Secondary Seminar / Secondary Seminar (Ph. D)	Aoshima / Izumi / Eto / Ohyama / Karube / Shimizu / Kang / Nakajima	Aoshima / Izumi / Eto / Ohyama / Karube / Kang / Nakajima / Yosh- ioka-Kobayashi
MBA Program		
<i>[Management Analysis Program (MBA)]</i>		
Corporate Organization	Aoshima	Aoshima
Workshop: Management C	Shimizu	
Advanced Business Economics		Ohyama
<i>[Business Administration Program (Hospitality)(MBA)]</i>		
Introductory Workshop A	Karube	
Basic Workshop A	Karube	
Workshop A		Karube

Hitotsubashi Senior Executive Program (HSEP)		
	Aoshima / Shimizu	Aoshima
Management Leadership Development Program (EPSON)		
	Aoshima	Aoshima
Hitotsubashi Financial Leadership Program (HFLP)		
	Aoshima	Aoshima
Hitotsubashi University Senior Executive Program in Hospitality Management (HSEP-HM)		
		Aoshima
Undergraduate Program in the Faculty of Commerce and Management		
Innovation Management	Shimizu	Yoshioka-Kobayashi
Advanced Economics of Innovation	Ohyama	Nakajima
Advanced Management of Innovation	Karube	Karube
Basic Business Economics	Ohyama	
Basic Business Economics 1		Ohyama
Basic Business Economics 2		Nakajima
Advanced Business Economics		Ohyama
Introduction to Economic and Business Indexes		Ohyama
Interactive Course on Business Basic (Management)	Malen	
Advanced Course in Management	Malen	
Special Lecture (International Comparison in Innovation A)		ElSabry
Seminar (Intensive Reading) I	Ohyama / Kang / Shimizu	Ohyama / Kang / Yoshioka-Kobayashi
Seminar (Intensive Reading) II	Ohyama / Kang / Shimizu	Ohyama / Karube / Kang / Yoshioka-Kobayashi
Undergraduate Introductory Seminar 1	Kang / Nakajima	Kang / Yoshioka-Kobayashi
Undergraduate Introductory Seminar 2	Nakajima	Karube
Seminar	Aoshima / Ohyama / Karube / Shimizu / Nakajima	Aoshima / Ohyama / Karube / Kang / Nakajima

2. Innovation Management and Policy Program

— Apr. 2018 ~ Mar. 2020

1. Overview

The Innovation Management and Policy Program (IMPP) is a doctorate-level certificate program training researchers to work in the management of innovation at private organizations or in the design of science and technology policy within public institutions. Students will study management and economic theories while developing skills for applying social science research methods. Based on this learning they will develop original academic research papers on topics related to innovation management or policy. By integrating education and research, the program aims to develop professionals capable of strengthening systems and knowledge supporting innovation in Japan and around the world.

This program is supported by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) “Science for RE-designing Science, Technology and Innovation Policy” Human Resource Development program (Cultivating Academic field hubs).

2. Students

IMPP students consist of doctoral students at Hitotsubashi University, doctoral students at other universities, and students holding a Master’s degree (or equivalent) currently working in private industry or the public sector. Classes are held primarily on Wednesday evenings and Saturdays. To complete the program students must take Innovation Research Seminar I & II, three mandatory courses and two elective courses. In addition, two academic papers must be submitted.

3. Results

Academic Year 2019: 31 Students enrolled (as of March, 2020)

	AY 2017	AY 2018	AY 2019
Entrants	8 (3)	11 (3)	9 (1)
Graduates	4 (0)	5 (4)	5 (2)

* numbers in parentheses indicate doctoral students of Hitotsubashi University

4. Main Events of Academic Year 2019

June 1st – June 2nd	【1 student presented at the conference】 Annual Academic Conference 2019 by the Academic Association for Organizational Science Venue: Komazawa University (Komazawa Campus)
August 25th – August 29th	【2 students presented at the conference】 PICMET’19 conference Venue: Hilton Portland Downtown, Portland, Oregon, U.S.A.
August 22nd	IIR Summer School 2019 Venue: Sano-shoin Hall, Hitotsubashi University

August 26th –	SciREX Summer Camp 2019
August 28th	Venue: National Graduate Institute for Policy Studies (GRIPS)
October 10th –	【1 student presented at the conference】
October 11th	APIC 2019 Conference Venue: School of Economics at Peking University
October 12th –	【1 student presented at the conference】
October 13th	2019 Autumn Meeting of Japanese Economic Association Venue: Kobe University (Rokkodai Dai-ichi Campus)
October 26th –	【5 students presented at the conference】
October 27th	34th Annual Academic Conference by Japan Society for Research Policy and Innovation Management Venue: National Graduate Institute for Policy Studies (GRIPS)

5. Main Events of Academic Year 2018

June 9th –	【2 students presented at the conference】
June 10th	Annual Academic Conference 2018 by the Academic Association for Organizational Science Venue: Faculty of Economics, The University of Tokyo
August 19th –	【4 students presented at the conference】
August 23rd	PICMET'18 Conference Venue: Waikiki Beach Marriott Resort & Spa, Honolulu, Hawaii, U.S.A.
August 25th –	IIR Summer School 2018
August 26th	Venue: Sano-shoin Hall, Hitotsubashi University
August 28th –	SciREX Summer Camp 2018
August 30th	Venue: National Graduate Institute for Policy Studies (GRIPS)
October 27th –	【4 students presented at the conference】
October 28th	33rd Annual Academic Conference by Japan Society for Research Policy and Innovation Management Venue: The University of Tokyo (Hongo Campus)

6. Courses

Required Courses:

1. Innovation Research Methods; Spring-Summer Semester, 2 credits

Yaichi Aoshima, Hiroshi Shimizu, Tohru Yoshioka-Kobayashi and Byeongwoo Kang

This course provides students with instruction in applying a range of methods relevant to conducting research in the field of innovation studies.

2. Innovation, Management, Economics and Policy; Spring-Summer Semester, 2 credits

Yaichi Aoshima, Masaru Karube, Seiichiro Yonekura, Kentaro Nakajima, Manabu Eto, Byeongwoo Kang (AY2018) and Atsushi Ohyama (AY2019)

This course provides a comprehensive approach to understanding dimensions of social science underlying science, technology and innovation system, with particular focus on mechanisms supporting science, technology and innovation processes and their effectiveness.

3. Advanced Science Technology and Innovation; Autumn-Winter Semester, 2 credits

Yaichi Aoshima

This course is an omnibus class based on interactions among leading engineers, scientists, and social science researchers.

4. Innovation Research Seminar I; Spring-Summer Semester, 2 credits

Regular Faculty: Yaichi Aoshima, Manabu Eto, Kenji Asano, Megumi Kimura, Ryo Taniguchi (AY2018), Donghoon Kim (AY2019) and Makoto Kadowaki (AY2019)

Guest Faculty: Seiichiro Yonekura, Akira Izumi, Masaru Karube, Hiroshi Shimizu (AY2018), Atsushi Ohyama, Kentaro Nakajima Byeongwoo Kang and Tohru Yoshioka-Kobayashi

The aim of this course is to promote the development of skills for writing journal papers, making academic presentation and improving the overall quality of student research.

5. Innovation Research Seminar II; Autumn-Winter Semester, 2 credits

Regular Faculty: Yaichi Aoshima, Manabu Eto, Kenji Asano, Megumi Kimura, Ryo Taniguchi (AY2018), Donghoon Kim (AY2019) and Makoto Kadowaki (AY2019)

Guest Faculty: Seiichiro Yonekura, Akira Izumi, Masaru Karube, Hiroshi Shimizu (AY2018), Atsushi Ohyama, Kentaro Nakajima, Byeongwoo Kang and Tohru Yoshioka-Kobayashi

The aim of this course is to promote the development of skills for writing journal papers, making academic presentation and improving the overall quality of student research.

Elective Courses:

Electives are offered jointly with the Graduate School of Commerce and Management:

1. Advanced Innovation Economic; Spring-Summer Semester, 2 credits
Kentarō Nakajima
2. Advanced Management of Innovation; Autumn-Winter Semester, 2 credits
Masaru Karube
3. Innovation, Policy and Institution; Autumn-Winter Semester, 2 credits
Manabu Eto and Akira Izumi
4. Advanced Intellectual Property: Spring-Summer Semester, 2 credits
Manabu Eto and Akira Izumi

IV. Research Results / Publications



1. Hitotsubashi Business Review — Apr. 2018 ~ Mar. 2020

To publish the findings of its research activities, the IIR issues a quarterly journal, called the *Hitotsubashi Business Review* (in Japanese). The rationale in editing the journal is to promote the theoretical and empirical study of innovation in a social and economic context. The editorial board comprises professors from several universities and company advisors, as well as IIR professors.

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Title of Special Issues

Vol. 67 No. 4	“Tokyo: Future Perspective beyond 2020”
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Vol. 67 No. 2	“Foresight and Corporate Management”
Vol. 67 No. 1	“A New Wave of ‘Education Reform’”
Vol. 66 No. 4	“The Next Unicorns in Japan”
Vol. 66 No. 3	“NEW SCIENCE OF EIGYO”
Vol. 66 No. 2	“THE FUTURES OF EVs”
Vol. 66 No. 1	“Science of ‘Work and Life Shift’”

Featured Papers

Issue	Vol. / No.	Title	Author(s)
Mar. 2020	Vol. 67 No. 4	“The Fourth Industrial Revolution and ‘Super City’”	Heizo Takenaka (Professor, Department of Global Innovation Studies, Toyo University)
		“Intercity Competition for ‘Creativity’ of Global Scale”	Tomohiro Okada (Director, Creative Cluster Institute)
		“Road to the Most Unique City in the World”	Tomoyuki Sugiyama (President, Digital Hollywood University)
		“Why ‘Hongo Valley’ Attracts High-tech Academic Spin-offs?: Determinants of an Academic Spin-off Cluster”	Tohru Yoshioka-Kobayashi / Yuuki Maruyama / Yuri Hirai / Toshiya Watanabe (Assistant Professor, IIR / Commissioned Researcher, the University of Tokyo Institute for Future Initiatives / Project Assistant Professor, the University of Tokyo Institute for Future Initiatives / Professor, the University of Tokyo Institute for Future Initiatives)
		“Post Functional Olympics: Tokyo as an Emerging City”	Seiichiro Yonekura / Koichi Watari / Etsuko Watari (Emeritus Professor, IIR / CEO, WATARI-UM / Director, WATARI-UM)
		“Regional Strategy as ‘External Pressure’ to Transform Tokyo”	Hitoshi Kinoshita (CEO, Area Innovation Alliance)

Featured Papers (continued)

Issue	Vol. / No.	Title	Author(s)
Dec. 2019	Vol. 67 No. 3	“Creating Safety and ANSHIN Concepts of New Era: Safety 2.0 and Collaborative Safety”	Masao Mukaidono (Professor Emeritus, Meiji University / Chairman of The Institute of Global Safety Promotion)
		“Present Status of Vehicle Safety and Advancement in Automated Driving”	Masao Nagai (President, Japan Automobile Research Institute)
		“Safety of Consumer Products: New Innovation by Using Big Data and IoT”	Akira Izumi / Kengo Maeno / Yuya Hikita (Professor, IIR / National Institute of Technology and Evaluation / National Institute of Technology and Evaluation)
		“The Development of U.S. Organic Agriculture: How Back-to-the-Landers and Hippies Revolutionized the American Food Industry”	Taotao Bi (Professor, Risho University)
		“Development of Security Services Utilizing ICT”	Tsuneo Komatsuzaki (Adviser, SECOM CO., LTD.)
		“Applying Financial Expertise to Design for Disaster Risk Reduction and Resilience: Case of DBJ BCM Linked Loan Program”	Yoshiki Hiruma (Director, Enterprise Resilience Rated Loan Program, Development Bank of Japan)
		“Trust in the Arrival of a Data-driven Society”	Marisa Tsukiyama / Kyosuke Yukawa / Hirofumi Watase (Manager, Fujitsu Ltd. / Principal Consultant, Cross-Industry Group, Fujitsu Research Institute / Head of the AI Services Business Unit, Head of the Data Business Development Office, Fujitsu Ltd.)
Sep. 2019	Vol. 67 No. 2	“The Smart Risk Communication Concerning Food Safety and Security”	Takeshi Yamasaki (Chairman, NPO Science of Food Safety & Security)
		“Government Foresight Activities in Foreign Countries”	Naohiro Shichijo (Professor, School of Computer Science, Tokyo University of Technology)
		“A Study on the Accuracy of the Scenarios Created by the Horizon Scanning Method”	Akihisa Yahata / Yuichi Washida (Senior Manager, the Japan Research Institute, Limited / Professor, Hitotsubashi University Business School)
		“Application of Foresight Methodology to Establish Corporate Vision”	Yasunori Tokiyoshi / Keigo Awata (Director, the Japan Research Institute, Limited / The Japan Research Institute, Limited)
		“A Historical View of Corporate Foresight in Global Companies”	Naoaki Kitta / Keigo Awata (The Japan Research Institute, Limited / The Japan Research Institute, Limited)
		“Engineering Design and Foresight”	Shigeki Saito / Yuki Taoka (Professor, School of Environment and Society, Tokyo Institute of Technology / Assistant Professor, School of Environment and Society, Tokyo Institute of Technology)
		“AIST Design School and Learning by Foresight : Practice and Challenge of Design School”	Kazuhiro Kojima / Kohtaro Ohba (Team Leader, Co-Creative Platform Research Team, National Institute of Advanced Industrial Science and Technology / National Institute of Advanced Industrial Science and Technology (AIST))
		“Utilizing ‘Future Chronology’ as a New Method of Policy Making”	Fumihiro Kajikawa / Kaori Nemoto / Yuichi Washida (Director, Environmental Economy Office, Industrial Science and Technology Policy and Environment Bureau, METI / Hakuhodo Incorporated / Professor, Hitotsubashi Business School)

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		“Creating a New School System: A Challenge of Kojimachi Public Junior High School”	Yuichi Kudo (Principal, Kojimachi Junior High School)
		“‘Quest Education’: An Education Reform Challenge from Business Perspective”	Kanji Miyaji (Chief Executive Officer, Educa & Quest Inc.)
		“New Education in Reiwa Era - Nurture and Maximize Each Teenager’s Potential: Practice and Challenge of Nurturing Creativity by Life Is Tech !”	Yusuke Mizuno (CEO, Life is Tech, Inc.)
		“What Adaptive Learning Brings to Public Education: Demonstration of Evidence in Public Junior High School Utilizing Qubena”	Genki Jinno / Jun Sato (CEO, COMPASS Inc. / CMO, COMPASS Inc.)
		“Projecting the Future of Education Reform through Active Learning: Is That Initiative Authentic or Not ?”	Sota Fukushima (Ph.D Student, Graduate School of Education, the University of Tokyo)
Mar. 2019	Vol. 66 No. 4	“freee: Entrepreneur through Various Career Experiences”	Byeongwoo Kang / Daisuke Sasaki (Assistant Professor, IIR / CEO & Co-Founder, freee)
		“Raksul: A Vision of the Japanese Startup Ecosystem”	Minoru Shimamoto / Shinya Kobayashi / Yasukane Matsumoto (Professor, Graduate School of Business Administration, Department of Business Administration, Hitotsubashi University / Master’s Student, Graduate School of Commerce and Management, Hitotsubashi University / Founder & CEO, RAKSUL INC.)
		“TBM: Green Entrepreneur Solving Environmental Problems by Innovation”	Hiroshi Shimizu / Taketoshi Yamaguchi / Nobuyoshi Yamasaki (Professor, IIR / Master’s Student, Graduate School of Commerce and Management, Hitotsubashi University / CEO, Chief Executive Officer, TBM Co., Ltd.)
		“Seven Dreamers Laboratories: Creating What the World Has Never Seen”	Seiichiro Yonekura / Yuta Maezawa / Shinichi Sakane (Emeritus Professor, IIR / Master’s Student, Graduate School of Innovation Management, Hosei University / President & CEO, Seven Dreamers Laboratories, Inc.)
		“ELIY Power: Commercialization of High-capacity Lithium-ion Battery Systems for Electricity Storage by Outstanding Technology Management”	Akira Izumi / Hiroichi Yoshida (Professor, IIR / Chairman and President, ELIY Power Co., Ltd.)
Dec. 2018	Vol. 66 No. 3	“The Reality and Possibility of ‘Eigyo’”	Takeshi Nobe / Hiroaki Komatsu / Fumihiko Ikuine (President & CEO, SOFTBRAIN SERVICE Co. Ltd. / Executive Chairman, SOFTBRAIN SERVICE Co. Ltd. / Associate Professor, Faculty of Business Science, Tsukuba University)
		“Current Status of Sales Studies and Problems of ‘Eigyo’ Studies: A Review of 18 Meta-Analysis Papers”	Nobuyuki Inamizu / Hidenori Sato (Associate Professor, Graduate School of Economics, the University of Tokyo / Associate Professor, Faculty of Business Science, Tsukuba University)
		“‘Eigyo’ in Japan Clarified Through Data”	Nobuyuki Inamizu / Yukiomi Kaburaki (Associate Professor, Graduate School of Economics, the University of Tokyo / Sales Scientist, SOFTBRAIN SERVICE Co. Ltd.)

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Dec. 2018	Vol. 66 No. 3	“Building Organizational Capability in Sales and Marketing: Formation and Transfer of Optimal Organizational Routines”	Yoshiaki Yamashiro (Project Researcher, Graduate School of Economics, Manufacturing Management Research Center, the University of Tokyo)
		“The Path to Value Co-Creative Selling”	Ryusuke Kosuge (Associate Professor, Business School, Ritsumeikan University)
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Sep. 2018	Vol. 66 No. 2	“Perspectives on Environmental and Energy Issues of Motor Vehicles: With a Focus on Electrifying the Vehicles”	Yasuhiro Daisho (Senior Research Professor, Research Organization for Next Generation Vehicles, Waseda University)
		“Industrial Business Trends towards Automobile Electrification and Their Competitiveness”	Noboru Sato (Visiting Professor, Institutes of Innovation for Future Society, Nagoya University)
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		“The Challenges and Strategies of Chinese Automobile Industries: the Possibility to Develop EV in China”	Long Ke / Hideko Kono (Senior Fellow, The Tokyo Foundation for Policy Research / Professor, Faculty of International Social Sciences, Yokohama National University)
		“Ideal Vehicle Electrification by Vehicle Manufacturer: Mazda’s Solution for Ideal Electric Vehicle Society”	Kiyoshi Fujiwara / Masayuki Motohashi (Representative Director, Mazda Motor Corporation / General Manager, Technology Planning Dept., Mazda Motor Corporation)
		“An Architectural Analysis of Green Vehicles in Future: The Possibility of Their Diversity”	Takahiro Fujimoto (Professor, Graduate School of Economics, the University of Tokyo)
		“Customer Value of Automobile: Global Trends of Non-Functional Value”	Kentaro Nobeoka / Kan Matsuoka (Professor, IIR / The Product Strategy Division, Mazda Motor Corporation)
Jun. 2018	Vol. 66 No. 1	“Work Style Diversification and Changing Nature of Psychological Contracts”	Yasuhiro Hattori (Associate Professor, Graduate School of Business Administration, Kobe University)
		“Firm Performance and the Promotion of Women’s Participation and Advancement: Evidence from Japanese Firm Panel Data”	Isamu Yamamoto (Professor, Faculty of Business and Commerce, Keio University)
		“Sexual-division-of-labor and Women’s Promotional Motivation”	Hattori Seminar of Yokohama National University
		“Managerial Behaviors Depended on Subordinate Gender Differences”	Hiroshi Sakazume (Professor, Faculty of Lifelong Learning and Career Studies, Hosei University)
		“Antecedents of Overtime Work and Job Stress”	Hattori Seminar of Yokohama National University
		“Does Team-based Health Promotion Practice Increase Employee’s Well-being?: Exploring Next Stage of Health and Productivity Management through Focusing Population Approach”	Yuta Morinaga (Professor, Faculty of Economics, Musashi University)
		“Labor and Social Studies of Japanese News Site”	Yohei Tsunemi (Instructor, Faculty of Global Studies, Chiba University of Commerce)

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		Shin-Nakano Kogyo: New Infrastructure in Sake Industry	Takahiro Endo (Associate Professor, Graduate School of Business Administration, Hitotsubashi University)
Dec. 2019	Vol. 67 No. 3	ASKUL: Challenge in B2C E-commerce	Daisuke Uchida / Kangyong Sun (Associate Professor, Department of Industrial and Business System, Faculty of Economics, Kyushu University / Associate Professor, Graduate School of Business Administration, Hitotsubashi University)
		Development and Marketing Activity of ISH-IGAMA BREAD by TAKAKI BAKERY	Yuriko Nishihara / Koichiro Kodama (Completed MBA Course at Graduate School of Commerce and Management, Hitotsubashi University / Associate Professor, School of Business Administration, Meisei University)
Sep. 2019	Vol. 67 No. 2	Nestlé Japan : Mass Brand KitKat's Premiumization Strategy	Satoko Suzuki / Naoko Nogamoto (Associate Professor, School of International Corporate Strategy, Hitotsubashi University Business School / Master's Student, School of International Corporate Strategy, Hitotsubashi University Business School)
		Mamasquare: How Stay-at-home Moms can Play the Leading Role in Society	Masaru Karube / Shinya Kobayashi / Rino Onodera / Gao Ryujia (Professor, IIR / Master's Program, Graduate School of Commerce and Management, Hitotsubashi University / Master's Program, Graduate School of Business Administration, Hitotsubashi University / Master's Program, Graduate School of Commerce and Management, Hitotsubashi University)
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		GLM: The Electric Vehicles Ecosystem Emergence Process in Japan	Jin-ichiro Yamada / Osaka City University Yamada Seminar (Professor, Osaka City University)
		Mercari: Idea and Realization of 'World-class Services'	Manabu Eto (Professor, IIR)
Mar. 2019	Vol. 66 No. 4	Benesse Art Site Naoshima: Corporate Identity Building and Local Development	Ryuji Nitta / Shotaro Yamaguchi / Hiroshi Shimizu (Master's Student, Graduate School of Business Administration, Hitotsubashi University / Ph.D Student, University of Maryland, Robert H. Smith School of Business / Professor, IIR)
		Nihon Koden: The Developing and Commercializing Process of AEDs	Hideko Kono / Masaya Onuma / Michi Fukushima / Shigeki Aoki / Ryosuke Takeuchi / Koichi Takaishi (Professor, International Social Sciences, Yokohama National University / Associate Professor, International Social Sciences, Yokohama National University / Professor, Department of Economics and Management, Tohoku University / Chief Economist, Research Division, Value Management Institute, Inc. / Associate Professor, International Social Sciences, Yokohama National University / Professor, Department of Business Administration, Asia University)

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Sep. 2018	Vol. 66 No. 2	Challenge and Evolution: Panasonic Home Appliances Refrigerator (Wuxi) Co., Ltd	Masaru Karube / Daisuke Uchida (Professor, IIR / Lecturer, Faculty of Economics, Kyushu University)
		Kyowa Hakko Bio: Promoting Innovation towards 'Goodness'	Ayano (Hirose) Nishihara (Assistant Professor, College of Business, Department of Global Business, Rikkyo University)
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		The 48th Japanese Antarctic Research Expedition / The Summer Period: Group Dynamics in Professionals	Motohiro Shinabe (Ph.D Student, Chuo Graduate School of Strategic Management / TOBISHIMA CORPORATION)

Columns

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Leaders of MOT

Issue	Vol./No.	Interviewee	Interviewers
Sep. 2018	Vol. 66 No. 2	Hiroki Isobe (Alliance Global Director, Nissan Motor Corporation)	Takahiro Fujimoto Kentaro Nobeoka Yaichi Aoshima
Jun. 2018	Vol. 66 No. 1	Hiroshi Saijo (CEO and Managing Director, Yamaha Motor Ventures & Laboratory Silicon Valley Inc.)	Kentaro Nobeoka Yaichi Aoshima

Serials

Issue	Vol./No.	Title	Author(s)
Mar. 2020 Mar. 2019	Vol. 67 No. 4 Vol. 66 No. 4	Porter Prize 2019 Porter Prize 2018	Emi Osono (Professor, Graduate School of International Corporate Strategy, Hitotsubashi University)
Mar. 2020 Dec. 2019 Jun. 2019 Mar. 2019 Dec. 2018 Sep. 2018 Jun. 2018	Vol. 67 No. 4 Vol. 67 No. 3 Vol. 67 No. 1 Vol. 66 No. 4 Vol. 66 No. 3 Vol. 66 No. 2 Vol. 66 No. 1	International Standardization from JAPAN(3)-(9)	Manabu Eto / Yuichi Washida (Professor, IIR / Professor, Graduate School of Commerce and Management, Hitotsubashi University)
Mar. 2019 Dec. 2018 Sep. 2018 Jun. 2018	Vol. 66 No. 4 Vol. 66 No. 3 Vol. 66 No. 2 Vol. 66 No. 1	FinTech Revolution and Innovation (4)-(7)	Mikiharu Noma / Tsutomu Fujita (Associate Professor, Hitotsubashi Business School / Visiting Professor, Hitotsubashi Business School)
Mar. 2020 Dec. 2019 Sep. 2019 Jun. 2019 Mar. 2019	Vol. 67 No. 4 Vol. 67 No. 3 Vol. 67 No. 2 Vol. 67 No. 1 Vol. 66 No. 4	Brand Management by All Stakeholders(1)-(5)	Satoko Suzuki (Associate professor, Graduate School of Business Administration, Department of International Corporate Strategy)
Mar. 2020 Dec. 2019	Vol. 67 No. 4 Vol. 67 No. 3	Entrepreneurs Who Change the World (1)-(2)	Yaichi Aoshima / Masatoshi Fujiwara (Professor, IIR / Associate Professor, Graduate School of Business Administration, Hitotsubashi University)

Management Forum

Issue	Vol./No.	Interviewee	Interviewer(s)
Mar. 2020	Vol. 67 No. 4	Kengo Kuma (Architect)	Seiichiro Yonekura
Dec. 2019	Vol. 67 No. 3	Sarah L. Casanova (Representative Director, President and CEO, McDonald's Holdings (Japan), Ltd.)	Seiichiro Yonekura
Sep. 2019	Vol. 67 No. 2	Hiroki Kitagawa / Yoshitaka Shibata (General Manager, Global Center for Social Innovation Tokyo, R&D Group, Hitachi, Ltd. / Hitachi, Ltd. Global - Unit Lead/Senior Designer of Vision Design Project, Global Center for Social Innovation)	Seiichiro Yonekura Yuichi Washida
Jun. 2019	Vol. 67 No. 1	Haruaki Deguchi (President, Ritsumeikan Asia Pacific University)	Seiichiro Yonekura
Mar. 2019	Vol. 66 No. 4	Anis Uzzaman (General Partner, President & CEO, Fenox Venture Capital)	Seiichiro Yonekura
Dec. 2018	Vol. 66 No. 3	Mitsuru Izumo (President and CEO, euglena Co., Ltd.)	Seiichiro Yonekura
Sep. 2018	Vol. 66 No. 2	Shigeki Terashi (Executive Vice President, TOYOTA MOTOR CORPORATION)	Seiichiro Yonekura Kentaro Nobeoka Takahiro Fujimoto
Jun. 2018	Vol. 66 No. 1	Susumu Fujita / Tetsuhito Soyama (President, Founder, CyberAgent, Inc. / Director, CyberAgent, Inc.)	Seiichiro Yonekura

Reviewed Articles

Issue	Vol./No.	Title	Author(s)
Dec. 2019	Vol. 67 No. 3	"A Comparison of Novice and Serial Entrepreneurs through Latent Profile Analysis"	Masaki Matsunaga (Associate Professor, Kyushu University Business School)

2. Working Papers — Apr. 2018 ~ Mar. 2020

		Title	Author(s)
WP#18-41	Jun. 2018	“Staying Young at Heart or Wisdom of Age: Longitudinal Analysis of Age and Performance in US and Japanese Firms”	Shotaro Yamaguchi / Ryuji Nitta / Yasushi Hara / Hiroshi Shimizu
WP#18-42	Sep. 2018	“Hikaru Nishizaki, Oral History (1st, 1): Working at Game Shop and Game Shop Business Model” (in Japanese)	Kazufumi Fukuda / Megumi Kimura / Morihiro Shigihara / Ayako Matsui
WP#18-43	Sep. 2018	“Hikaru Nishizaki, Oral History (1st, 2): Working at Game Shop and Game Shop Business Model” (in Japanese)	Kazufumi Fukuda / Megumi Kimura / Morihiro Shigihara / Ayako Matsui
WP#18-44	Dec. 2018	“Yoshiaki Inose, Oral History (1st, 1): Game Development at TEHKAN and TECMO” (in Japanese)	Hiroshi Shimizu / Kazufumi Fukuda / Akihito Inoue / Morihiro Shigihara / Ayako Matsui
WP#18-45	Dec. 2018	“Yoshiaki Inose, Oral History (1st, 2): Game Development at TEHKAN and TECMO” (in Japanese)	Hiroshi Shimizu / Kazufumi Fukuda / Akihito Inoue / Morihiro Shigihara / Ayako Matsui
WP#19-01	Jan. 2019	“Hideki Sato, Oral History (4th, 1): Game Development at SEGA and its Corporate Culture” (in Japanese)	Hiroshi Shimizu / Morihiro Shigihara / Shotaro Yamaguchi
WP#19-02	Jan. 2019	“Hideki Sato, Oral History (4th, 2): Game Development at SEGA and its Corporate Culture” (in Japanese)	Hiroshi Shimizu / Morihiro Shigihara / Shotaro Yamaguchi
WP#19-03	Jan. 2019	“Zenji Ishii, Oral History (2nd, 1): Creating the Unique Magazine and Arcade Game” (in Japanese)	Fumihiko Ikuine / Morihiro Shigihara
WP#19-04	Jan. 2019	“Zenji Ishii, Oral History (2nd, 2): Arcade Game Magazine, Gamest Creating the Unique Magazine and Arcade Game” (in Japanese)	Fumihiko Ikuine / Morihiro Shigihara
WP#19-05	Feb. 2019	“Tohru Iwatani, Oral History (2nd, 1): Game Development at Namco in the early days of Video Game History” (in Japanese)	Hiroshi Shimizu / Manabu Eto / Fumihiko Ikuine / Morihiro Shigihara
WP#19-06	Feb. 2019	“Tohru Iwatani, Oral History (2nd, 2): Game Development at Namco in the early days of Video Game History” (in Japanese)	Hiroshi Shimizu / Manabu Eto / Fumihiko Ikuine / Morihiro Shigihara
WP#19-07	Feb. 2019	“Tohru Iwatani, Oral History (3rd, 1): How to Plan and Develop Games in the Case of Cutie Q and Packman” (in Japanese)	Fumihiko Ikuine / Kazufumi Fukuda / Morihiro Shigihara
WP#19-08	Feb. 2019	“Tohru Iwatani, Oral History (3rd, 2): How to Plan and Develop Games in the Case of Cutie Q and Packman” (in Japanese)	Fumihiko Ikuine / Kazufumi Fukuda / Morihiro Shigihara
WP#19-09	Feb. 2019	“Tohru Iwatani, Oral History (4th, 1): Namco Video Game Development History and Video Game Concept Building” (in Japanese)	Akinori Nakamura / Fumihiko Ikuine / Kazufumi Fukuda / Akito Inoue / Morihiro Shigihara

		Title	Author(s)
WP#19-10	Feb. 2019	“Tohru Iwatani, Oral History (4th, 2): Namco Video Game Development History and Video Game Concept Building” (in Japanese)	Akinori Nakamura / Fumihiko Ikuine / Kazufumi Fukuda / Akito Inoue / Morihiro Shigihara
WP#19-11	Feb. 2019	“Taro Ohashi, Oral History (1st, 1): Personal Background and Early Days at Dempa Publications Inc” (in Japanese)	Megumi Kimura / Akito Inoue / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-12	Feb. 2019	“Taro Ohashi, Oral History (1st, 2): Personal Background and Early Days at Dempa Publications Inc” (in Japanese)	Megumi Kimura / Akito Inoue / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-13	Feb. 2019	“Taro Ohashi, Oral History (2nd, 1): Launching Microcomputer Magazines” (in Japanese)	Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-14	Feb. 2019	“Taro Ohashi, Oral History (2nd, 2): Launching Microcomputer Magazines” (in Japanese)	Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-15	Feb. 2019	“Toyofumi Takahashi, Oral History (1st, 1): Personal Background and Game Development at Richo” (in Japanese)	Akito Inoue / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-16	Feb. 2019	“Toyofumi Takahashi, Oral History (1st, 2): Personal Background and Game Development at Richo” (in Japanese)	Akito Inoue / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-17	Feb. 2019	“Toyofumi Takahashi, Oral History (2nd, 1): Game Development at Nintendo” (in Japanese)	Akito Inoue / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-18	Feb. 2019	“Toyofumi Takahashi, Oral History (2nd, 2): Game Development at Nintendo” (in Japanese)	Akito Inoue / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-19	Feb. 2019	“Taro Ohashi, Oral History (3rd, 1): Game Softs and Game Goods Distribution at Dempa Shimbun” (in Japanese)	Hiroshi Shimizu / Akito Inoue / Morihiro Shigihara / Ayako Matsui
WP#19-20	Feb. 2019	“Taro Ohashi, Oral History (3rd, 2): Game Softs and Game Goods Distribution at Dempa Shimbun” (in Japanese)	Hiroshi Shimizu / Akito Inoue / Morihiro Shigihara / Ayako Matsui
WP#19-21	Feb. 2019	“Toshiharu Saito, Oral History (1st, 1): Digital Communication Technology and Video Game Development” (in Japanese)	Manabu Eto / Fumihiko Ikuine / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui
WP#19-22	Feb. 2019	“Toshiharu Saito, Oral History (1st, 2): Digital Communication Technology and Video Game Development” (in Japanese)	Manabu Eto / Fumihiko Ikuine / Kazufumi Fukuda / Morihiro Shigihara / Ayako Matsui

		Title	Author(s)
WP#19-23	Feb. 2019	“Toshiharu Saito, Oral History (2nd): Development of Platform for Mobile Phone and Hardware for Dreamcast” (in Japanese)	Morihiro Shigihara / Akito Inoue / Ayako Matsui
WP#19-24	Sep. 2019	“Hiromichi Nakamoto, Oral History (1st, 1): History of Game Development by Data East Corporation” (in Japanese)	Morihiro Shigihara / Fumihiko Ikuine / Donghoon Kim / Kazufumi Fukuda / Ayako Matsui / Hiroshi Shimizu
WP#19-25	Sep. 2019	“Hiromichi Nakamoto, Oral History (1st, 2): History of Game Development by Data East Corporation” (in Japanese)	Morihiro Shigihara / Fumihiko Ikuine / Donghoon Kim / Kazufumi Fukuda / Ayako Matsui / Hiroshi Shimizu
WP#19-26	Oct. 2019	“Nishimura Yoshio, Oral History: The Development of Game Industry in the Context of Electronics Industry: Perspectives from Journalism” (in Japanese)	Fumihiko Ikuine / Donghoon Kim / Morihiro Shigihara / Kazufumi Fukuda / Hiroshi Shimizu
WP#19-27	Nov. 2019	“Naito Tokihiro, Oral History (1st, 1): History of Game Development at T&E Soft” (in Japanese)	Morihiro Shigihara / Akito Inoue / Donghoon Kim / Kazufumi Fukuda / Ayako Matsui / Hiroshi Shimizu
WP#19-28	Nov. 2019	“Naito Tokihiro, Oral History (1st, 2): History of Game Development at T&E Soft” (in Japanese)	Morihiro Shigihara / Akito Inoue / Donghoon Kim / Kazufumi Fukuda / Ayako Matsui / Hiroshi Shimizu
WP#19-29	Dec. 2019	“Eiji Kure, Oral History (1st, 1): History of Game Development at Kure Software Koubou” (in Japanese)	Fumihiko Ikuine / Donghoon Kim / Morihiro Shigihara / Ayako Matsui / Hiroshi Shimizu
WP#19-30	Dec. 2019	“Eiji Kure, Oral History (1st, 2): History of Game Development at Kure Software Koubou” (in Japanese)	Fumihiko Ikuine / Donghoon Kim / Morihiro Shigihara / Ayako Matsui / Hiroshi Shimizu
WP#19-31	Nov. 2019	“Inertia of Society: When Schumpeter met Weber in the Cyberspace of the Network Enterprise”	Megumi Kimura
WP#19-32	Dec. 2019	“Kazumi Takai, Oral History: Oral History on Arcade Game Operation and Rental Business” (in Japanese)	Morihiro Shigihara / Fumihiko Ikuine / Kazufumi Fukuda / Hiroshi Shimizu
WP#20-01	Jan. 2020	“Toshiyuki Ishiyama, Oral History (1st, 1): Game Business at ASCII and Early Stage MMO Game Development and Operation” (in Japanese)	Akito Inoue / Fumihiko Ikuine / Donghoon Kim / Morihiro Shigihara / Kazufumi Fukuda / Ayako Matsui / Hiroshi Shimizu

		Title	Author(s)
WP#20-02	Jan. 2020	“Toshiyuki Ishiyama, Oral History (1st, 2): Game Business at ASCII and Early Stage MMO Game Development and Operation” (in Japanese)	Akito Inoue / Fumihiko Ikuine / Donghoon Kim / Morihiro Shigihara / Kazufumi Fukuda / Ayako Matsui / Hiroshi Shimizu
WP#20-03	Feb. 2020	“Masaharu Yoshii, Oral History (1st, 1): Oral History on Game Development at Sega and Game Industry at the Early Stage” (in Japanese)	Morihiro Shigihara / Donghoon Kim / Hiroshi Shimizu
WP#20-04	Feb. 2020	“Masaharu Yoshii, Oral History (1st, 2): Oral History on Game Development at Sega and Game Industry at the Early Stage” (in Japanese)	Morihiro Shigihara / Donghoon Kim / Hiroshi Shimizu
WP#20-05	Feb. 2020	“Masaharu Yoshii, Oral History (2nd, 1): Oral History on Game Development and Sales at Sega and Sega of America” (in Japanese)	Morihiro Shigihara / Fumihiko Ikuine / Hiroshi Shimizu
WP#20-06	Feb. 2020	“Masaharu Yoshii, Oral History (2nd, 2): Oral History on Game Development and Sales at Sega and Sega of America” (in Japanese)	Morihiro Shigihara / Fumihiko Ikuine / Hiroshi Shimizu

3. Case Studies — Apr. 2018 ~ Mar. 2020

		Title	Author(s)
CASE#18-01	May 2018	“Case Study of Regional Innovation: Yamako Takeda Shouten Co Ltd” (in Japanese)	Hajime Oda / Manabu Eto
CASE#19-01	Mar. 2019	“Case Study of Regional Innovation: Branding Projects of Glasses Made In SABAE” (in Japanese)	Yuki Teramoto / Miuya Mizuno / Ryo Taniguchi
CASE#19-02	Mar. 2019	“How Does a Collective Action Emerge in a Regional Context?: A Case Study of “Biomass Tour MANIWA” (in Japanese)	Ryo Taniguchi
CASE#19-03	Mar. 2019	“The Vitalization of a Regional Economy: A Case Study of Brand Qualification of Toyooka Kaban Bags to Enhance the Local Economy” (in Japanese)	Youngjae Koh / Yuko Narui
CASE#19-04	Mar. 2019	“Development and Marketing Activity of ISHIGAMA BREAD by TAKAKI BAKERY” (in Japanese)	Yuriko Nishihara / Koichiro Kodama
CASE#19-05	Mar. 2019	“Challenges by Nanao City for Town Development” (in Japanese)	Yurie Miura / Yaichi Aoshima
CASE#19-06	Mar. 2019	“A Case Study of Shirasu-Daichi: Kagoshima’s Challenges to Utilize the Broad Pyroclastic Plateau as Industrial Resources” (in Japanese)	Shinya Kobayashi / Manabu Eto
CASE#19-07	Mar. 2019	“The Case of Agricultural Regional Vitalization: Kashiya Farm Inc.” (in Japanese)	Kei Morita / Kazunari Matsu- shima
CASE#20-01	Mar. 2020	“Mazda’s Revival of Diesel Cars” (in Japanese)	Futoki Takeda / Megumi Kimura / Kentarou Nobeoka

‘The new combinations appear discontinuously, then the phenomenon characterising development emerges.’

Joseph A. Schumpeter
The Theory of Economic Development

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