References

Chapter 1

Section 1

MLIT, "The 4th Technology Basic Plan" (March 2017)

Headquarters for Japan's Economic Revitalization, "Japan Revitalization Strategy 2016" (June 2016)

Cabinet Office, "The 5th Science and Technology Basic Plan" (January 2016)

MLIT, "White Paper on Land, Infrastructure, Transport and Tourism in Japan, 2014" (June 2015)

Ministry of Internal Affairs and Communications, "White Paper on Information and Communications in Japan, 2016" (July 2016)

Cabinet Office, "Japanese Economy 2016-2017" (January 2017)

MLIT, "White Paper on Land, Infrastructure, Transport and Tourism in Japan, 2015" (June 2016)

Yumiko Murakami, "Fostering and Utilizing Human Resources in a Decreasing Population Era (2nd volume)" (Keizai Kyoshitsu), Nihon Keizai Shimbun dated January 23, 2017, 13 (16)

Shogakukan Inc., "Encyclopedia Nipponica"

QibiTech Inc., "IoT"

Section 2

Science and Technology Foresight Center, National Institute of Science and Technology Policy, Ministry of Education, Culture, Sports, Science and Technology, "The 10th Science and Technology Foresight: Future Perspectives on Science and Technology by Field" (September 2015)

Cabinet Office, "Brochure about the Council for Science, Technology and Innovation 2015-2016"

Ministry of Education, Culture, Sports, Science and Technology, "2015 White Paper on Science and Technology" (June 2015)

Cabinet Office, "The 5th Science and Technology Basic Plan" (January 2016)

Cabinet Office, "Comprehensive Strategy on Science, Technology and Innovation 2016" (May 2016)

Ministry of Education, Culture, Sports, Science and Technology, "2016 White Paper on Science and Technology" (May 2016)

New Industrial Structure Committee, Industrial Structure Council, Ministry of Economy, Trade and Industry, "An Interim Report on the New Industrial Structure Vision" (April 2016)

R&D and Evaluation Subcommittee, Committee on Industrial Science and Technology Policy and Environment, Industrial Structure Council, Ministry of Economy, Trade and Industry, "An Interim Report on Initiatives to Promote Innovation" (May 2016)

Section 3

Headquarters for Japan's Economic Revitalization, "Japan Revitalization Strategy 2016" (June 2016)

Ministry of Internal Affairs and Communications, "White Paper on Information and Communications in Japan, 2014" (July 2014)

Ministry of Internal Affairs and Communications, "White Paper on Information and Communications in Japan, 2015" (July 2015)

Ministry of Internal Affairs and Communications, "White Paper on Information and Communications in Japan, 2016" (July 2016)

Ministry of Internal Affairs and Communications, "Study Report on People's Attitudes Toward New ICT Services and Technologies that Resolve Social Issues" (March 2015)

Ministry of Internal Affairs and Communications, "Contracting the Study Report on the Social Impacts of ICT Advancement" (March 2014)

Work Group for Economic and Social Roles of Convenience Stores, "Investigative Report on the Economic and Social Roles of Convenience Stores" (March 2015)

Nomura Research Institute, Ltd., "Questionnaire Survey of 10,000 Consumers" (November 2015)

Christian Wolmar (translated by Yasuhara Kazumi and Sugawa Ayako), "Blood, Iron and Gold," published by Kawade Shobo Shinsha (2012)

Shigeru Koike, Eiichi Aoki, and Yasuo Wakuda, "Tetsudo no Sekaishi (World History of Railways)," published by Yushokan (2010)

Editorial Committee of Automotive Engineering Series, "Automotive Engineering Series: The History of Automobiles and Society," published by Sankaido Publishing Co., Ltd. (1980)

Takeshi Yuzawa, "Tetsudo no Tanjo: Igirisu kara Sekai he (Birth of Railways: From the United Kingdom to the World)," published by Sogensha Inc. (2014)

Bill Laws (translated by Shiro Yamamoto), "Fifty Railways That Changed the Course of History," published by Hara Shobo (2014)

Hitoshi Ieda (chairman), Ken-ichi Ando and Shun-ichi Kosuge, 50+50 Special Symposium Executive Committee, Planning Committee of JSCE, "Tokaido Shinkansen and Metropolitan Expressway: 50-Year-Path Beginning with the 1964 Olympic Games," published by the Japan Society of Civil Engineers (2014)

Christian Wolmar (translated by Rei Kitagawa), "The Iron Road: The Illustrated History of Railways," published by Sogensha Inc. (2016)

Masataka Kondo, "A Half Century of Shinkansen and Japan: Shinkansen for One Hundred Million People - Read History from a Cultural Viewpoint," published by Kotsu Shimbunsha (2010)

Nobuyuki Sato, "History of the Shinkansen: Dynamism of Politics and Management," published by Chuokoron-Shinsha, Inc. (2015)

Website of the Japan Institute of Invention and Innovation, "Japanese Post-war Innovation Best 100: Automatic Ticket Gate System"

Tadashi Uda, "History and Culture of Privately Owned Railway Management: Western Japan," published by Kokon Shoin

"History Series: Over 100 Years from the Opening of the Railway," in SUBWAY magazine published by the Japan Subway Association

Kanji Amamiya, "Innovation Strategies of Apple, Amazon, and Google," published by NTT Publishing Co., Ltd. (2015)

Naoki Ueda, Kenjiro Umemoto, Tsubasa Kurose, Manami Suzuki, Haruyuki Seki and Shinji Nakao, "Location-Based Service Report 2016," published by Impress (2016)

Website of Central Japan Railway Company, "Shinkansen Perfect History"

Website of OMRON Corporation

Website of the Foundation for Promoting Personal Mobility and Ecological Transportation

Website of Hankyu Corporation

Website of Hankyu Culture Foundation

Website of the Society of Automotive Engineers of Japan, Inc., "Japanese Automotive Technologies Best 240"

Takashi Hino, "Cell Phone Services Advance Using Position Information (January 2014 Edition)," published by KDDI Research, Inc.

Noboru Yamamoto, "Navigation: 'Position Information' Will Change the World," published by Shueisha Inc. (2012) Tomoji Takamasa, "Easy-to-understand Mechanism of Ships: From the Origin of Ships to Types, Structure, and Running Mechanisms (A Textbook Not Taught in Schools)," published by Nihon Bungeisha Co., Ltd. (2009)

Shinji Suzuki, "Airplane Story: History of Aviation Technology," published by Chikumashobo Ltd. (2012)

Google Crisis Response, "Great East Japan Earthquake: Information, Internet, and Google"

Steven Levy (translated by Tatsushi Naka and Chiaki Ikemura), "In The Plex: How Google Thinks, Works, and Shapes Our Lives," published by CCC Media House Co., Ltd. (2011)

Chapter 2

Section 1

Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST), "Panoramic View Reports: R&D Strategies in Key Countries (2017)" (March 2017)

URL: https://www.jst.go.jp/crds/pdf/2016/FR/CRDS-FY2016-FR-07.pdf

Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST), "Social and Technological Issues Seen in Key Countries' Policy Documents" (September 2015)

Ministry of Education, Culture, Sports, Science and Technology, "Japanese Science and Technology Innovation Policies from a Medium- and Long-term Perspective" (September 2015)

Section 2

MLIT, "The 4th Technology Basic Plan" (March 2017)

Chapter 3

Section 1

Ministry of Economy, Trade and Industry, "Results of a Trend Survey on the Robot Industry Market" (July 2013)