

Waseda Open Innovation Ecosystem



Hironori Kasahara, Ph.D., IEEE Fellow, IPSJ Fellow
Senior Executive Vice President, Waseda University
IEEE Computer Society President 2018

URL: <http://www.kasahara.cs.waseda.ac.jp/>



1980 BS, 82 MS, 85 Ph.D. , Dept. EE, **Waseda Univ.**
1985 Visiting Scholar: U. of California, Berkeley,
1986 Assistant Prof., 1988 Associate Prof., 1989-90
Research Scholar: U. of Illinois, Urbana-Champaign,
Center for Supercomputing R&D, 1997 Prof.,
2004 Director, Advanced Multicore Research Institute,
2017member: the Engineering Academy of Japan (2020
Board Mem) and the Science Council of Japan
2018 IEEE Computer Society President
Nov. Senior Vice President, Waseda Univ.

AWARD: 1987 IFAC World Congress Young Author Prize
1997 IPSJ Sakai Special Research Award,
2005 STARC Academia-Industry Research Award,
2008 LSI of the Year Second Prize,
2008 Intel Asia Academic Forum Best Research Award,
2010 IEEE CS Golden Core Member Award
2014 Minister of Edu., Sci. & Tech. Research Prize
2015 IPSJ Fellow, 2017 IEEE Fellow, Eta Kappa Nu
2019 Spirit of IEEE Computer Society Award,
2020 IPSJ Contribution Award

Reviewed Papers: 221, Invited Talks: 189,
Granted Patents: 54 (Japan, US, GB, China),
Articles in News Papers, Web News, TV etc.: 625

Committees in Societies and Government 263
IEEE Computer Society: President 2018, Executive
Committee(2017-2019), BoG(2009-14), Strategic
Planning Committee Chair 2018, Multicore STC Chair
(2012-), Japan Chair(2005-07),
IPSJ Chair: HG for Magazine. & J. Edit, Sig. on ARC.
【METI/NEDO】 Project Leaders: Multicore for
Consumer Electronics, Advanced Parallelizing
Compiler, Chair: Computer Strategy Committee
【Cabinet Office】 CSTP Supercomputer Strategic ICT
PT, Japan Prize Selection Committees, etc.
【MEXT】 Info. Sci. & Tech. Committee,
Supercomputers (Earth Simulator, HPCI Promo., Next
Gen. Supercomputer K) Committees
JST Moonshot Project G3 Robot & AI Vice Chair,
【COCN】 Board Member in Council of
Competitiveness Nippon, etc.



WASEDA University

Tokyo - Attractive Location

Shinjuku-ku, Tokyo, Japan

WASEDA

IKEBUKURO UJIMA AKIHABARA SHIBUYA TOKYO

TOKYO: 7 CAMPUSES SAITAMA: 2 CAMPUSES

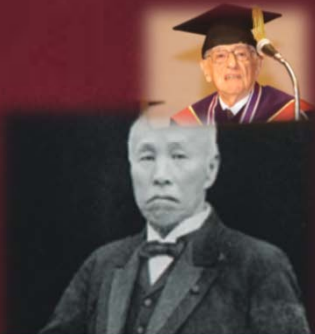
- #1 MICHELIN-STARRED RESTAURANTS (TRIPADVISOR)
- #3 RANKING (QS BEST STUDENT CITIES 2014)
- #1 GLOBAL CITY RANKING (LAT KEARNEY 2014)
- #1 HOSPITABLE CITY (TRIPADVISOR 2014)
- #1 PUBLIC TRANSPORTATION, HELPFUL LOCALS, SAFETY, CLEANLINESS (TRIPADVISOR 2014)

Tokyo, Japan



confidential

早稲田大学



《 1922 》

Visit by physicist Albert Einstein to Waseda University

On November 28, 1922, Professor Einstein visited Waseda University during his visit to Japan, and held a meeting with President Masamasa Shimozawa who had once studied at Berlin University. At the end of the meeting held in the central courtyard, more than 10,000 students and faculty embraced Professor and Mrs. Einstein with enthusiastic applause. When they left, they were sent off with a chorus of the university's anthems.



Archaeological excavation of the Maikata site

In 1986, an archaeological team from Waseda University became the first Japanese people to launch an archaeological excavation mission at an ancient Egyptian site. In 1974, the team became the first in the history of archaeological excavations in Egypt to discover the "natural staircase" in Maikata. The team earned credibility with Egypt's Ministry of Antiquities, and was rated highly in Japan.

1882 《

Okuma Shigenobu founded Tokyo Seimon Gakko (College)

The founding and opening ceremony of Tokyo Seimon Gakko (College) was held on October 21. At the ceremony, the Principal, Hideozo Chino, issued a toast on the history of the school. Asan Oo delivered an address, and a declaration was made on the spot of "Independence of Learning" in the departments of political science, law, physical science, and English were established, and 80 students were admitted as the first batch of students.

1928 《

Japan's first gold medalist

At the Amsterdam Olympics, Minio Oda from Waseda University's track and field club became the first Japanese to win a gold medal for the high jump. The same track and field team attended a sports event for international students held in Paris on their way back to Japan from the Olympics, opening the path to participation in the Olympics later on.



1993 《

Visit to Waseda University by then U.S. President Bill Clinton

In 1993, Bill Clinton, then President of the United States of America, visited Waseda University. Through the ceremony conducted to welcome visits by many distinguished guests from around the world, including the then former President of the People's Republic of China in 2008, and former US Secretary-General Ban Ki-moon in 2010.



The "Group of Four" who contributed to the development of Waseda University

The "Group of Four" refers to the four individuals who participated in the founding and management of Waseda University, and contributed to its development. Saneh Ichino served as the first Principal and third President of the institution, and passed his efforts into raising the institution to the rank of university as well as establishing the school for sciences and engineering. Torayoshi Arima was the Director of the School of Commerce when it was first opened, and later became the second Principal of the University. Shoji Kishimoto laid the foundation for the present-day Department of Literature. Keiichi Ishiguro worked hard to realize the academic independence of the university, and also contributed to the expansion of the library.

《 1940 》

"Visas for Me" from diplomat Chikune Sugihara

In 1939, Chikune Sugihara gained admission to the Department of English at Waseda University's Higher Normal School (the School of Education today). In 1940, Sugihara, who was then working at the Japanese Consulate in Lithuania, issued visas against orders from the Ministry of Foreign Affairs, thus saving about 6,000 Jews. His humanitarian act is highly appreciated by the international community.



1903 《

Start of the Waseda-Kobe baseball match (Sokoban)

Along with the Cambridge-Oxford boat race and the Harvard-Yale football match, the Waseda-Kobe baseball match (Sokoban) is revered among the three major university sporting events in the world. A tradition that can be traced back to 1903, the annual fix in the baseball match of the two universities leading to promote the friendship of their alma maters, as well as the great means of support offered from the match.

1956 《

The beginnings of the Ishihashi Cabinet, first alumnus of Waseda to become Prime Minister

In December 1956, Teruo Ishihashi, former student of Waseda, was elected as President of the Liberal Democratic Party. In the reformation for the head of the government in both the upper and lower houses of the Diet held during the same month, Ishihashi defeated Moriyasu Suzuki, Chairman of the Social Party and also alumnus of Waseda, to become the Prime Minister of Japan. There are the origins of our first Prime Minister from Waseda.

2007 《

125th founding anniversary— Toward the "second establishment" of the university

Waseda University has continued to move forward toward its three goals of tackling the challenge of innovative educational research, realizing global learning across the institution, and fostering global citizens. At the ceremony held on October 21, 2007 to commemorate its 125th anniversary, 15th President Katsuhiko Shimizu delivered the "Second Century Declaration of Waseda."

《 1962 》

Robert Kennedy attends student debate

In the midst of the protest against the Japan-U.S. Security Treaty in 1960, then U.S. Attorney General Robert Kennedy and his wife attended a student debate at the Chuoza Auditorium. The struggle was inspired by the past struggle of the university's students by protest that went both for and against the Treaty. When they visited Japan again, they expressed their support for the university's students.

《 2012 》

Formulation of Waseda Vision 150

Waseda Vision 150 was formulated in 2012 with a view to the 150th anniversary of the university's founding in 2012. Waseda University has drastically improved the quality of education and research, and will continue to contribute to the world as a university.

WASEDA UNIVERSITY

About WASEDA -早稲田大学-

Number of International Students

7,942*

125* countries and territories
(Undergraduate and Graduate)

Alumni CEOs in Japan

10,606

8 Prime Ministers

Founder
Shigenobu OKUMA



Graduate Employability

#1 In private university of Japan
(#2 in Japan, #27 in the world)
QS Graduate Employability Rankings 2019

ENROLLMENT
[学生数]
49,436

ALUMNI
[卒業生]
630,000
FACULTY
[教員]
5,468

World Business
5 Palmes in Eduniversal Business



Masaru IBUKA Tadashi YANAI



PARTNER INSTITUTIONS
[協定大学・機関]
848 (93 countries)

NUMBER OF BOOKS
[図書館蔵書]
5,800,000

GRADUATE STUDENTS
[大学院生]
8,385

UNDERGRADUATE STUDENTS
[学部生]
41,051



Hiroshi YAMAUCHI

Prime Ministers

- 8th Shigenobu Okuma
- 17th Shigenobu Okuma
- 55th Tanzan Ishibashi
- 74th Noboru Takeshita
- 76th Toshiki Kaifu
- 84th Keizo Obuchi
- 85th Yoshiro Mori
- 91st Yasuo Fukuda
- 95th Yoshihiko Noda

Business Leaders

Founders of global companies

- Sony
- Samsung
- Casio
- LOTTE

Business Leaders

CEOs of global companies

- ANA (All Nippon Airways)
- HONDA
- Nintendo
- UNIQLO
- Shiseido
- Nomura Securities Co., Ltd.
- Tokio Marine & Nichido Fire Insurance Co., Ltd.
- Olympus Corporation

HEROZ JAPAN



mercari

Shintaro YAMADA



Toshio FUKUDA



The University Professor Waseda. Waseda Alumnus, Prof. Emeritus Nagoya Univ., Prof. Meijo Univ. IEEE President 2020. The first from Asia in 135 years history. IEEE has 420,000 members.

Aiji TANAKA

Hironori KASAHARA



President International Political Science Association (IPSA) President 2016



Senior Executive Vice President IEEE Computer Society President 2018. The first president from outside USA and Canada in 72 years CS history. CS has 84,000 members from 168 countries.



Haruki MURAKAMI

Hirokazu KOREEDA

Yuzuru HANYU

S. ARAKAWA

【Waseda Alumni's & Faculty's Startups】



Tadashi YANAI

Changing clothes.
Changing conventional
wisdom. Change the world.



Shintaro YAMADA



Japanese First Unicorn
Create value
in a global marketplace
where anyone can buy & sell



Analysis system of Big
data(User Insight /
Social Insight)



Machine learning/deep learning
through the development of AI
for Japanese Chess

New Startups



Artificial ligament
for anterior cruciate ligament:
FDA Application



Next-generation
microbiome analysis



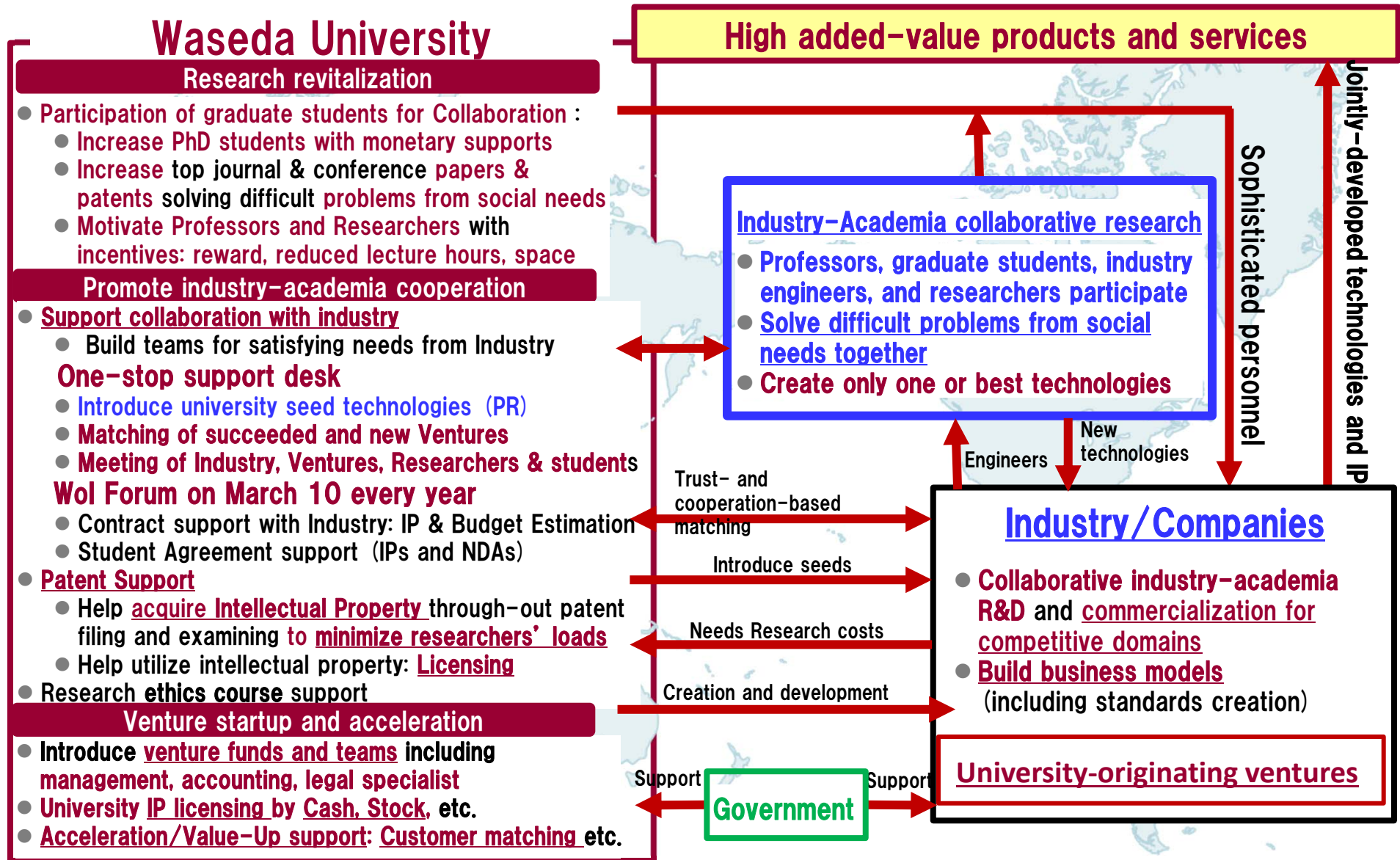
Full-automatic
Toothbrush for
Bedridden Elderly



Parallelizing & Power
Reduction Compiler
for Multiprocessors,
arm, RISC V, Intel, AMD
etc.

[2 startups will make presentations on 22th]

Waseda Open Innovation Ecosystem



Waseda Research Innovation Center Supporting for Ventures, IP, Collaboration

Director
Hironori Kasahara
SEVP
Waseda Univ



Research Innovation Center (June 2020~)
Hub of Waseda Open Innovation Ecosystem

Research Strategy Center

Strategy for
Open Innovation

Waseda TLO

IP Creation,
Licensing, Contract

Waseda Center for Entrepreneurship

Venture
Startup,
Acceleration



**Open Innovation Research Project
with Industry Supported by MEXT**

Energy

Environment

Recycle

ICT

City Design

Life

Automotive

etc.

Industry
Collaboration

Waseda Open Innovation Valley Project



Waseda Main Campus

- **Research Innovation Center to be completed in March 2020**
- **Industry Academia Collaboration One Stop Desk, Research Support and Strategy, TLO, Contract Support, Venture Start-up Support**

March 10, 2021 in Waseda Arena
Waseda Open Innovation Forum (Wol) 2021
(Matching among Leading Professors & Researchers, Industry, Ventures, Students)

New Research Innovation Center (Open: April 2020)

Supported by METI

Supported by MEXT Open Innovation Project

Green Computing Center for Industry Collaboration

Toyama Campus

Waseda Arena with roof garden: Collaboration in Sport Science



早稲田オープン・イノベーション・フォーラム2020

Waseda Open Innovation Forum 2020

WOI'20

入場無料
要事前登録

2020年3月10日(火) 10:00~18:00(予定)
※受付時間 9:30~
早稲田アリーナ(早稲田大学戸山キャンパス内)



〒162-8644 新宿区戸山1-24-1 <https://waseda-oif.jp>
主催: 学校法人早稲田大学 後援: 一般社団法人日本経済団体連合会



経済界、ベンチャー、研究者、学生との交流の場がここに!
早稲田大学史上、最大の産学連携イベント!

展示エリア 参加企業例(五十音順) 企業・ベンチャー・早稲田大学研究者による100ブース以上の展示

〈企業エリア〉 産学連携企業の展示ブース

ウェルインベストメント株式会社/株式会社SRA東北/株式会社mcl/沖電気工業株式会社/株式会社オプティワン/シスコシステムズ合同会社/スタートアップソリューションズ/リニュービリティソリューション株式会社/タカハタプレジジョン株式会社/森厚(株式会社東芝・東芝エレベーター株式会社・東芝インフラシステムズ株式会社)/日本電気株式会社/Beyond Next Ventures株式会社/株式会社フィックスターズ/前田建設工業株式会社/株式会社みずほ銀行/三井不動産株式会社/株式会社明後會/楽天モバイル株式会社

〈ベンチャー企業エリア〉 早稲田発ベンチャー企業、学生ベンチャーの展示ブース

IDM/Urth/株式会社amulapo/アルキテック株式会社/EAGLYS/株式会社Emotion Tech/オスカーテック/ロジテック株式会社/かけて株式会社/株式会社Genica/bitBiome株式会社/株式会社VLEAP/Photogenio Station/株式会社LOOK FOR group

〈早稲田大学研究者エリア〉 5つの分野から70を超える展示ブース

・「情報技術、AI、数理、物理」分野 ・「電気、機械、ロボット、エネルギー、環境」分野 ・「農材、化学、医療、生命科学」分野 ・「防災、建築、都市計画」分野 ・「人文科学、社会科学、学際、融合」分野

メインステージプログラム 世界最先端の国内外企業・政府・大学のリーダーたちによる講演やパネルディスカッション

【午前】	【午後】
<p>ご挨拶</p> <p>主催幹事 早稲田大学 長 氏 田中 慶治 実行委員長 早稲田大学 副総長 笠原 善雄 ご挨拶 文部科学省 大臣官房審議官 (科学技術・学術政策局担当) 藤原 寿 氏 経済産業省 大臣官房審議官 (産業技術政策局担当) 渡邊 昇治 氏</p> <p>招待講演・講演</p> <p>藤原 弘道 氏 一般社団法人 日本経済団体連合会 副会長 橋田 敏男 氏 日本電気株式会社 取締役会長 IEEE(国際電気工学連合会) 2020会長 Mr. Dave West President and General Manager, Cisco Japan G.K. 渡辺 浩 氏 早稲田大学 商学学術院 教授</p>	<p>招待講演・講演</p> <p>中谷 昭昭 氏 早稲田大学 オープンイノベーション 戦略研究機構 副機構長 林 孝弘 氏 早稲田大学 理工学術院 教授 スマート社会技術総合研究機構 機構長 クレーク アミン 氏 楽天モバイル株式会社 取締役兼CTO (Mr. Tareq Amin) 英天株式会社 副社長兼執行役員兼CAD Mr. Phil Woburn Chairman of Kaufman Fellows Founder and General Partner of Sozo Ventures 松田 新一 氏 早稲田大学 名誉教授</p> <p>パネルディスカッション (パネリスト)</p> <p>山田 憲太郎 氏 株式会社メルカリ 代表取締役CEO 戸山 孝子 氏 早稲田大学 理工学術院 教授 飯塚 博彦 氏 早稲田大学 農学学術院 准教授 笠原 善雄 氏 IEEE Computer Society 2019会長 早稲田大学 副総長 (モデレーター) 松田 新一 氏 早稲田大学 名誉教授</p>

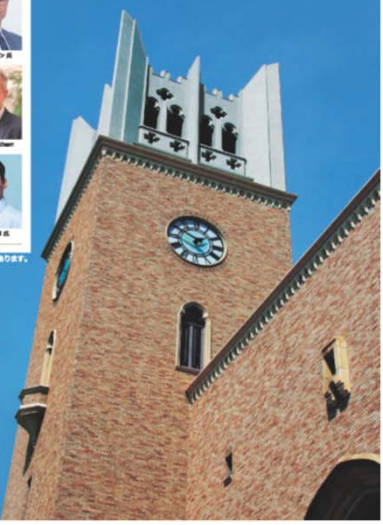
サブステージプログラム

・早稲田大学学生によるピッチなど

協賛企業 (五十音順)

- ・プラチナ ウェルインベストメント株式会社/沖電気工業株式会社/シスコシステムズ合同会社/タカハタプレジジョン株式会社/森厚(株式会社東芝・東芝エレベーター株式会社・東芝インフラシステムズ株式会社)/Beyond Next Ventures株式会社/三井不動産株式会社/楽天モバイル株式会社
- ・ゴールド 前田建設工業株式会社
- ・シルバー 日本電気株式会社/株式会社フィックスターズ
- ・ブロンズ BMBC日興証券株式会社/株式会社メルカリ

お問い合わせ 早稲田オープン・イノベーション・フォーラム2020(WOI'20)事務局
(株) 早稲田大学アカデミックソリューション内 E-Mail: woi-jimu@list.waseda.jp



Waseda Open Innovation Forum 2021

ONLINE

March 9 & 10,
2021

A Proposal to Y Combinator (YC)

- Could you plan to make a three-month program in Japan for Japanese Selected Startups?

A Few Questions to YC

- Will you be able to collaborate to accelerate or motivate many universities' ventures with *Online WOI 2021* on March 9 and 10, 2021, through Keynote Speech, Trial Training Session, or exhibition booth?
- Will you be able to allow a few selected Japanese ventures to join the program in Silicon Valley by online?