

# Roundtable in UGSS2021 (The 15th Universities' Global Strategy Symposium) Designing New Generation based University Key Management



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**Senior Executive Vice President, Waseda University**  
**IEEE Computer Society President 2018**  
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**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: 225, Invited Talks: 218,**  
**Granted Patents: 64 (Japan, US, GB, China),**  
**Articles in News Papers, Web News, TV etc.: 681**

**Committees in Societies and Government 283**  
**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.**



USA Ambassador:  
Caroline Kennedy

USA President:  
Bill Clinton



WASEDA University  
Chinese President:  
Hu Jintao

# 早稲田大学



Technological research of  
the Mutsu rice

# WASEDA University

## Tokyo - Attractive Location



Chiyodakita Tokyo, Japan

WASEDA

- 1 HIGH-END RESTAURANTS (JAPANESE)
- 2 BEST STUDENT CITY (JAPAN)
- 3 BEST STUDENT CITY (ASIA)
- 4 WASEDA CITY (JAPAN)
- 5 RESPONSIVE CITY (JAPANESE STYLE)
- 6 PUBLIC TRANSPORTATION, NEARBY LOCAL SALES, CLEAN/SAFE (JAPANESE STYLE)



### 1882

**Okuma Shigenobu**  
founded Tokyo  
Seisen Gakko  
(College)

The founding and opening ceremony of Tokyo Seisen Gakko (College) was held in the former site of the building of the school, Meiji Gakuin in Chiyodakita, and a distinctive site exists to the spot of "Institution of Learning". The appearance of school was established, and the school was introduced to the world as the first school in Japan.



### 1928

**Japan's first post-graduate school**  
The Graduate School of Arts, Letters and Science (Faculty of Letters) was established in 1928. The first department to start a post-graduate school was the Faculty of Letters. The same year, the first post-graduate school was established in Japan. The first post-graduate school was established in Japan.



### The "Group of Five" who contributed to the development of Waseda University

The "Group of Five" refers to the five individuals who participated in the founding and development of Waseda University, and contributed to its development. They were Okuma Shigenobu, Tokutomi Soma, Tokutomi Soma, Tokutomi Soma, and Tokutomi Soma. They were Okuma Shigenobu, Tokutomi Soma, Tokutomi Soma, Tokutomi Soma, and Tokutomi Soma.



### 1956

**The beginnings of the Liberal Cabinet, first chairman of Waseda University**  
In December 1956, Okuma Shigenobu, former chairman of Waseda University, was elected as the first chairman of the Liberal Cabinet. He was elected as the first chairman of the Liberal Cabinet. He was elected as the first chairman of the Liberal Cabinet.



### 1903

**Start of the Waseda-Asia football match (Johannesburg)**  
The first football match between Waseda University and the University of Johannesburg was held in Johannesburg, South Africa. The match was held in Johannesburg, South Africa. The match was held in Johannesburg, South Africa.

### 1940

**"Wase to Go!"**  
First shipment of Chinese engineers  
In 1940, Chinese engineers came to Waseda University to study. The first shipment of Chinese engineers came to Waseda University to study. The first shipment of Chinese engineers came to Waseda University to study.

### 1993

**Visit to Waseda University by then U.S. President Bill Clinton**  
In 1993, Bill Clinton, then President of the United States, visited Waseda University. He visited Waseda University. He visited Waseda University.

### 2007

**100th founding anniversary - Grand ceremony**  
Waseda University has celebrated its 100th founding anniversary. The grand ceremony was held in Waseda University. The grand ceremony was held in Waseda University.

### 1962

**Robert Kennedy attends Waseda 50th Anniversary**  
In December 1962, Robert Kennedy, then U.S. Attorney General, visited Waseda University. He visited Waseda University. He visited Waseda University.

### 2012

**Formation of Waseda Plaza Mall**  
Waseda Plaza Mall was established in Waseda University. The mall was established in Waseda University. The mall was established in Waseda University.



Microsoft:  
Dr. Bill Gates



British Prime Minister:  
Boris Johnson

# WASEDA UNIVERSITY



Alibaba  
Mr. Jack Ma



# Waseda University 早稲田大学

Number of International Students  
**7,942**

from **125** countries and territories  
Undergraduate and Graduate

Alumni CEOs in Japan

**10,606**

9 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

**ALUMNI**  
[卒業生]  
**630,000**  
**PARTNER INSTITUTIONS**  
[協定大学・機関]  
**848** (93 countries)

**100%**  
Schools  
QS School Ranking (2018)



Hiroshi YAMAUCHI



Masaru IBUKA



Tadashi YANAI



<https://www.kantei.go.jp/jp/reki/dainaikaku/index.html>

**FACULTY**  
[教員]  
**5,468**

**ENROLLMENT**  
[学生数]  
**49,436**

**UNDERGRADUATE STUDENTS**  
[学部生]  
**41,051**

**GRADUATE STUDENTS**  
[大学院生]  
**8,385**

**NUMBER OF BOOKS**  
[図書総数]  
**5,800,000**

- Prime Ministers**
- 8th Shigenobu Okuma
  - 17th Shigenobu Okuma
  - 55th Tenzan Ishibashi
  - 74th Noboru Takeshita
  - 76th Toshiki Kaifu
  - 84th Keizo Obuchi
  - 85th Yoshiro Mori
  - 91st Yasuo Fukuda
  - 95th Yoshihiko Noda
  - 100th Fumio Kishida

- 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

**Aiji TANAKA**  
President  
International Political Science Association (IPSA)  
President 2016

**Hironori KASAHARA**  
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.



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

**Haruki MURAKAMI**

**Hirokazu KOREEDA**

**Yuzuru HANYU**

**S. ARAKAWA**  
**Daiya SETO**





**Bjarne Stroustrup: Morgan Stanley & Columbia Univ.**  
**2018 IEEE Computer Society Computer Pioneer Award**  
 IEEE COMPSAC2018 Keynote & Award Ceremony



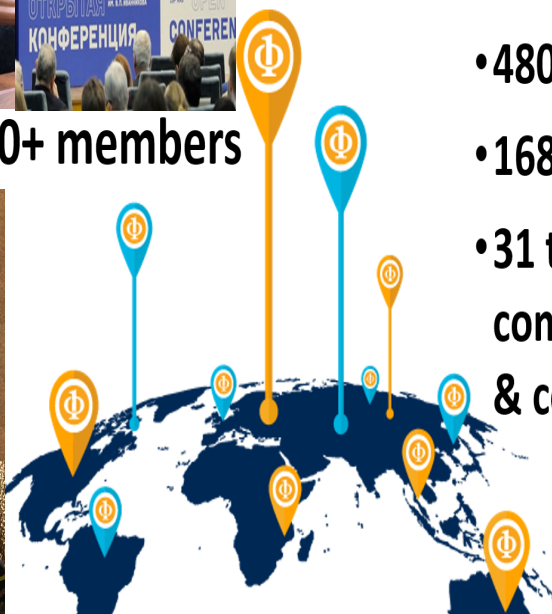
July 26, 2018, Keynote,  
 Hitotsubashi Hall



July 25, 2018 Award Ceremony  
 Rihga Royal Hotel Tokyo



**•84,000+ members**



- 480 chapters
- 168 countries
- 31 technical committees & councils



# Waseda Open Innovation Ecosystem

## Waseda University

### Research revitalization

- Participation of graduate students for Collaboration :
  - Increase PhD students with monetary supports
  - Increase top journal & conference papers & patents solving difficult problems from social needs
  - Motivate Professors and Researchers with incentives: reward, reduced lecture hours, space

### Promote industry-academia cooperation

- **Support collaboration with industry**
  - Build teams for satisfying needs from Industry
- **One-stop support desk**
  - Introduce university seed technologies (PR)
  - Matching of succeeded and new Ventures
  - Meeting of Industry, Ventures, Researchers & students
- **Wol Forum on March 10 every year**

- Contract support with Industry: IP & Budget Estimation
- Student Agreement support (IPs and NDAs)

### Patent Support

- Help acquire Intellectual Property through-out patent filing and examining to minimize researchers' loads
- Help utilize intellectual property: Licensing
- Research ethics course support

### Venture startup and acceleration

- Introduce venture funds and teams including management, accounting, legal specialist
- University IP licensing by Cash, Stock, etc.
- Acceleration/Value-Up support: Customer matching etc.

## High added-value products and services

### Industry-Academia collaborative research

- Professors, graduate students, industry engineers, and researchers participate
- Solve difficult problems from social needs together
- **Create only one or best technologies**

Sophisticated personnel

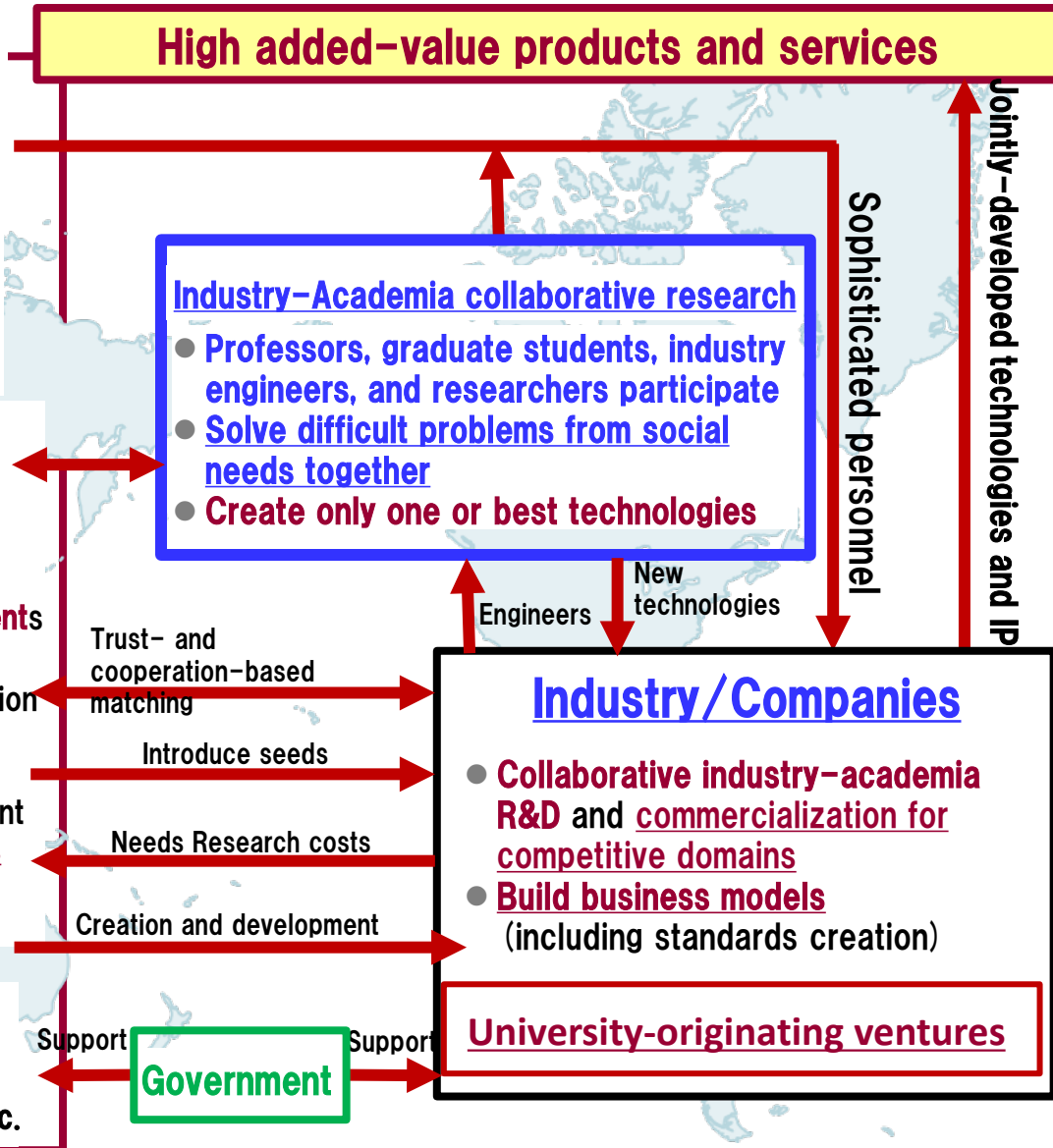
Jointly-developed technologies and IP

## Industry/Companies

- Collaborative industry-academia R&D and commercialization for competitive domains
- Build business models (including standards creation)

## University-originating ventures

## Government





# Waseda Open Innovation Valley Project



- **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**



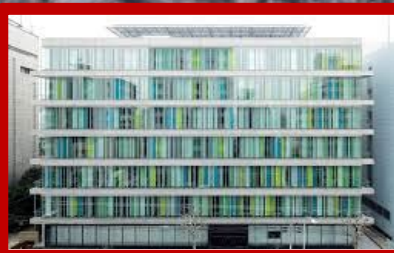
**New Research Innovation Center (Open: April 2020)**

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



**Toyama Campus**

**Waseda Arena with roof garden:**  
**Collaboration in Sport Science**



**Supported by METI**

**Green Computing Center for Industry Collaboration**



**Supported by MEXT Open Innovation Project**