IEEE COMPSAC2021 CS Presidents Panel

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: 223,   Invited Talks: 215,
Granted Patents: 62 (Japan, US, GB, China),
Articles in News Papers, Web News, TV etc.: 660

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.

- How and why you became involved with the CS

- Your experience as a CS volunteer

- How that contributed to your career, the CS, and the profession

- Why should someone become a CS volunteer

Some of papers in and just after Ph.D. Course in Waseda U.

IEEE TRANSACTIONS ON COMPUTERS, VOL. C-33, NO. 11, NOVEMBER 1984

1023

Practical Multiprocessor Scheduling Algorithms for Efficient Parallel Processing

HIRONORI KASAHARA, MEMBER, IEEE, AND SEINOSUKE NARITA, SENIOR MEMBER, IEEE

Courtesy of dexchao - Fotolia.com

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IEEE JOURNAL OF ROBOTICS AND AUTOMATION, VOL. RA-1, NO. 2, JUNE 1985

Parallel Processing of Robot-Arm Control Computation on a Multimicroprocessor System

HIRONORI KASAHARA MEMBER, IEEE, AND SEINOSUKE NARITA, SENIOR MEMBER, IEEE

1 of 10

2nd International Conference on Superecomputing
Santa Clara, CA, USA   May 3-8, 1987

A PARALLEL PROCESSING SCHEME FOR THE SOLUTION OF SPARSE LINEAR EQUATIONS USING STATIC OPTIMAL-MULTIPROCESSOR-SCHEDULING ALGORITHMS

H.Kasahara*, T.Fujii*, H.Nakayama*, S.Narita*, and Leon O.Chua**

* Dept. of Electrical Eng., Waseda University, Tokyo, 160, Japan
** Dept. of Electrical Eng. and Computer Sciences, University of California, Berkeley, CA 94720, U.S.A.

Copyright © IFAC 10th Triennial World Congress.
Munich, FRG, 1987

PARALLEL PROCESSING OF ROBOT MOTION SIMULATION

H. Kasahara, H. Fujii and M. Iwata

Department of Electrical Engineering, Waseda University, 3-4-1 Ohkubo Shinjuku-ku, Tokyo 160, Japan

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Competitiveness Nippon, etc.

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Prof. David J Kuck (Univ. Illinois, Intel)

IEEE Computer Pioneer Award 2011

Ms. Diane B. Greene (VMware Cofounder & CEO)
IEEE Computer Society Computer Entrepreneur Award 2011

2018.03.08 WasedaUniv. Symposium on Future of High Performance Green Computing 2018 (HPGC2018)

IEEE Computer Society

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

MoU with UN ITU in AI for Good, May, Geneva

July 25, 2018 Award Ceremony
Rihga Royal Hotel Tokyo

CCF 中国计算机大会
China National Computer Congress

Tencent-Waseda University Technical Tour

IEEE-Eta Kappa Nu

THE SEYMOUR CRAY AWARD

2018 IEEE COMPUTER SOCIETY SEYMOUR CRAY COMPUTER ENGINEERING AWARD
DR. DAVID E. SHAW
FOR THE DESIGN OF SPECIAL-PURPOSE SUPERCOMPUTERS FOR BIOMOLECULAR SIMULATIONS

- •84,000+ members
- •480 chapters
- •168 countries
- •31 technical committees & councils

Cornel Univ. Prof. Steven Squyres: Mars Exploration, Caltech. Dr. Katie Bouman:Visualization of Blackhole
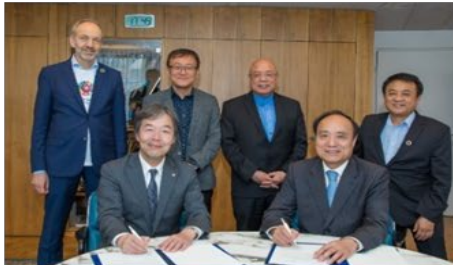
Cooperation with International Organizations in 2018
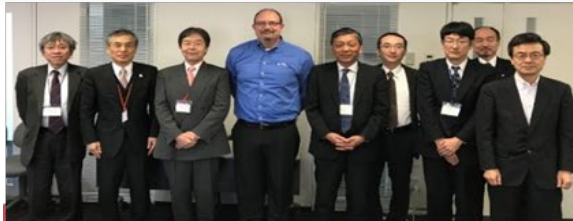
IPSJ Leaders, March, IPSJ Convention, Tokyo

Japan (IPSJ), China(CCF), Korea(KIISE) in March, Waseda U., Tokyo

Okawa Foundation, CS Japan Chapter, Multicore STC & Japanese Government Symp.

MoU with UN ITU in AI for Good, May, Geneva

CCF China National Computer Congress, Oct. , Hangzhou

MoU with Baidu, July, Green Comp. C., Tokyo

IEEE CS China Office moderated Tencent-Waseda Univ. Joint Symposium, Nov., Waseda U., Tokyo

Russian Academy of Science: Russian Computer Science 70th Anniversary, Nov., Moscow

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Number of International Students

7,942* from 125* countries and territories (Undergraduate and Graduate)

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

World Business 5 Palmes in Eduniversal Busin...

ALUMNI [卒業生] 630,000

FACULTY [教員] 5,468

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

Alumni CEOs in Japan 10,606

8 Prime Ministers

Founder Shigenobu OKUMA

Masaru IBUKA   Tadashi YANAI

Hiroshi YAMAUCHI

mercari
HEROZ JAPAN
LINE

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

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. Meijo Univ.
IEEE President 2020. The first from Asia in 135 years history. IEEE has 420,000 members.

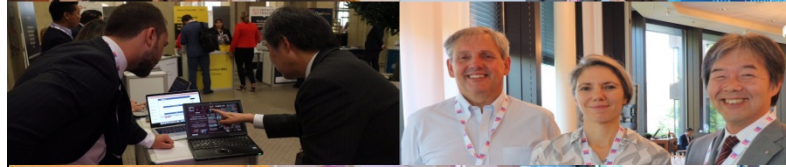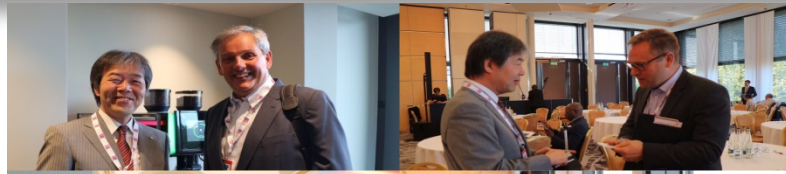Haruki MURAKAMI

Hirokazu KOREEDA

Yuzuru HANYU

S. ARAKAWA

Daiya SETO

World Leading University Presidents Panel

Vice Chancellor Prof. Louise Richardson
　（WOI 2020で基調講演）
Head of Astrophysics：Prof. Rob Fender
Dept. of Physics: Prof. Ian Shipsey
Astrophysics: Prof. H.Falche, et. al.

Merton College
Warden: Prof. Irene Tracy （2020年1月に来学）
Fellow: Dr. Peter Braam
Sub Warden: Prof. Judy Armitage
CS: Prof. Jeremy Gibbons

Choral Evensong, 750th Anniversary Room

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1987 OSCAR(Optimally Scheduled Advanced Multiprocessor)
Co-design of Compiler and Architecture

Looking at various applications, design a parallelizing compiler and design a multiprocessor/multicore-processor to support compiler optimization
Easy to Use, Collaboration of Software and Hardware, Useful for World People

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IEEE Computer Society

MoU with UN ITU
in AI for Good,
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July 25, 2018 Award Ceremony
Rihga Royal Hotel Tokyo

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