

# SCJ Academic Forum: Data Intensive Scientific Discovery

-tentative program -

*Agenda : Seeking for creating Global Data Community in Big Data Era with Big Idea for Big History consisting of individuals who think from facts and data for friends in the world-----*

September 10th, 2012

Lectures and Panel Discussion 13:00-18:00

Poster 11:00-18:00

Lecture Hall & Lobby , Science Council of Japan

From exit no. 5 at Nogizaka station

on the Tokyo Metro Chiyoda Line

<http://www.scj.go.jp/ja/other/info.html>



Language : English and Japanese Simultaneous Translation

Organizer: The Science Council of Japan (SCJ)

Supporting Organizations:

CODATA(Committee on Data and Science)/ICSU, WDS(World Data System) IPO/ICSU, JST(Japan Science and Technology Agency), JAEA(Japan Atomic Energy Agency), The Graduate School of Project Design, JSPS- 122 Committee, The University of Tokyo-Future Center, NICT(National Institute of Information and Communications Technology), Japan Society of Information and Knowledge, NIKKEI

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Application Form for Participation:

<https://form.cao.go.jp/scj/opinion-0003.html>

**【Poster Session at SCJ Lobby 11:00 -18:00】** To be announced later

**【Lecture Session at SCJ Lecture Hall 13:00 -18:00】**

13:00-13:10

Greeting

Fumiko Kasuga

Vice President of Science Council of Japan

Articulation:Data Era -Data Intensive Scientific Discovery

Shuichi Iwata

Emeritus Professor of the University of Tokyo/Professor of MPD

13:10-14:05

**Session I: Data Era**

*The Fourth Paradigm: Data-Intensive Scientific Discovery*

**Tony Hey**

Vice president, Microsoft Research Connections

*The Big Data*

**Masaru Kitsuregawa**

Professor of the University of Tokyo, IIS

14:05-14:45

**Session II Data and Society**

*Spatial Data and Discovery: A Study on the Routine Activities of Elementary School Students*

**Yutaka Harada**

National Research Institute of Police Science

*Data Utilization in KOMTRAX (tentative)*

**Kazuyuki Kimura**

KOMATSU

-----Coffee Break-----

15:00-17:00

**Session III Data and Scientific Discovery**

*Discovery of Higgs Particle and Massive Data Processing*

**Hiroshi Sakamoto**

Professor of the University of Tokyo, ICEPP

*Statistically Quantitative Evaluation of Life Environments with Physicochemical Data of Single Living Cells*

**Hiro-o Hamaguchi**

Emeritus Professor of the University of Tokyo

Chair Professor of National Chiao Tung University

*Revolutionary developments of genome research in life science: Big data needs big idea*

**Takashi Gojobori and Kazuho Ikeo \***

Professor of National Institute of Genetics, Mishima

\*Associate Professor of National Institute of Genetics, Mishima

*Living plant activity revealed by radiation and radioisotopes*

**Tomoko Nakanishi**

Professor of the University of Tokyo, GS of ALS

*Long Term Historical Data and Discovery*

**Tadashi Suzuki**

Emeritus Professor of the University of Tokyo

17:00-18:00

Panel Discussion ***“Bridging Scientific Data and Needs of Society”***

Chair : **Shuichi Iwata** (*Data Science*)

Panelists:

**Kazuhiro Taira** (*Data Journalism, The Asahi Shinbun*)

**Seiji Sugimoto** (*Data Provider, niwango.inc*)

**Shigeo Nomura** (*Academic Society, JAEA*)

**Yasuhiro Murayama** (*World Data System, NICT*)

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Speaker(s) of the former sessions

Closing