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/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

Greetings

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
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.in)
Shigeo Nomura (Academic Society, JAEA)
Yasuhiro Murayama (World Data System, NICT)

Speaker(s) of the former sessions

Closing