International Workshop on Data Science
- Present & Future of Open Data & Open Science –

12 – 15 November 2018
Mishima Citizens Cultural Hall & Joint Support-Center for Data Science Research,
Mishima, Shizuoka, Japan

Scope of Workshop :

The Workshop will focus on recent topics of interest in the field of scientific data, which are attributed to play a crucial role in accelerating "Open Science" and "Open Data" globally. Contributions from all scientific disciplines are welcome, including life and bio-science, social and human science, as well as polar science. Inter-disciplinary orientated topics on data management are especially encouraged.

A wide range of presentations will be given on topics of effective scientific data management spanning across the entire spectrum of data management - planning and policy, submission of primary and metadata, data sharing for facilitation of inter-disciplinary science, long-term preservation and stewardship with global and social perspectives.

Topics on industry-academia collaboration, education and capability building on data sciences, promoting "Open Science" via feedback to the public and archiving are also encouraged. Contributors will report on successes and challenges recently encountered, best practices and experiences learned and what is yet be done to ensure that we leave a data legacy. Fruitful discussions on data legacy and historical data issues for all branches of science are expected to give a new proxy for addressing data management issues and to achieve inter-disciplinary science linkages.

It is expected that this workshop will lead to mutual understanding of various aspects of data by different stakeholders and it will open new paths for pursuing activities in different fields of science. The activities are expected to play a central role in the promotion of inter-disciplinary sciences and new collaborative research paths based on multi-disciplinary data and directly contribute to global data activities based on the facilities provided by the "Joint Support-Center for Data Science Research (DS)" of the "Research Organization of Information and Systems (ROIS)".

Session Themes :

➢ **International data activity:** Various data-related aspects of accreditation schemes and their benefits, positives and negatives of current approaches of individual international initiatives, centres and networks, related data management planning, data policy, etc.

➢ **National data activity:** Various data-related aspects of accreditation schemes and their benefits, positives and negatives of current approaches of individual national projects, centres and regional networks, related data management planning, data policy, etc.

➢ **Current status of data science:** Current status and on-going progress in the field of data science and related applications for individual disciplines and cross-disciplinary synergies. This includes a wide range of topics -

databases, data systems, metadata schemes, vocabularies, ontologies, knowledge management, cloud computing, security, storage, repository practises and standards etc.

➢ **Current status of Inter-disciplinary science:** Current status and progress in relating to inter-disciplinary research activities; data sharing, real-time data handling and manipulation, virtual observatories, information and communications technology infrastructure protocols and architectures, sustainability and governance models.

➢ **Industry-academia collaboration, education and capability building:** Best practise on industry-academia collaboration, education and capability building in data science, data-driven knowledge transfer, data publication and journals, scientific awards and recognition schemes.

➢ **Legacy data, historical data, future on data science:** All aspects of data use evolution, legacy data, historical data and the potentials for enhancing scientific and non-scientific research developments through data sharing, citation and publication across disciplines.

Conference Week Schedule:

Monday 12 November 2018; Registration, Public Lecture, Icebreaker Party
Tuesday 13 November 2018; Workshop (day 1), Reception
Wednesday 14 November 2018; Workshop (day 2), Tour to DBCLS and NIG, Banquet
Thursday 15 November 2018; Workshop (day 3)

Draft Programme :

Monday 12 November 2018
16:00–17:30 Public Lecture (for general public, in Japanese)
16:00–19:30 Registration
18:00–19:30 Icebreaker party @ Mishima Citizens Cultural Hall

Tuesday 13 November 2018
09:00–09:30 Opening Remarks
09:30–12:30 Session 1 & 2: International and National data activity
12:30–14:00 Group Photo & Lunch
14:00–17:00 Session 3 & 4: Data science and Inter-disciplinary science
17:00–18:00 Poster Session
19:00–20:30 Reception @ Mishima Shoukou-Kaigi-Sho

Wednesday 14 November 2018
09:30–12:30 Session 5: Industry-academia collaboration, education and capability building
12:30–14:00 Lunch (outside of Mishima city)
15:00–17:30 Visit to DBCLS & NIG
18:00–19:30 Banquet @ NIG

Thursday 15 November 2018
09:30–12:30 Session 6a: Legacy data, historical data
12:30–14:00 Lunch & Poster
14:00–15:30 Session 6b: Future on data science
15:30–16:00 Closing Remarks

Presentation:

Oral Presentation:

General presenters are allocated 20 minutes including questions and discussion time.

Keynote speakers are allocated 30 minutes including questions and discussion time.

A Window lap top PC is available for presentations, but presenters can use their own lap tops if they so wish.

Please bring presentation file (ppt, pdf) on USB when using the PC in the conference room.

Poster Presentation:

Please prepare a poster of the maximum size within the posting board of 1200 mm (width) x 1800 mm (height).

All posters can be posted during three days on 13-15 November 2018, in front of the workshop main hall (1F, Mishima Citizens Cultural Hall).

Core Times for Poster presentations are allocated as follows;

Tuesday 13 November 17:00–18:00, & Thursday 15 November 13:00-14:00

NIG&DBCLS@Mishima
(outback with Mt. Fuji)

Conference Venue:

Mishima Citizens Cultural Hall ("Mishimashimin Bunka Kaikan")

Ichiban-cho 20-5, Mishima, Shizuoka, Japan

http://mishima-youyouhall.com/access/

It takes 3 min. southward walk from Mishima JR station to the Citizens Cultural Hall.

The Citizens Cultural Hall is surrounded westward by Mishima Municipal Park ("Rakujyuen")

Travel Information:

From Narita Airport to Mishima JR station (pdf link provided by NIG)

From Haneda Airport to Mishima JR station (pdf link provided by NIG)

It takes about 2 hours from both the airports to Mishima.

Travel support will be provided only to invited speakers.

Abstract submission:

All presenters are required to prepare their " Extended Abstract " file(s) to be included in the conference "Program and Abstract" booklet. The booklet will to be published online on the conference website and hard copy versions will be distributed to all participants from the registration desk.

The following doc.file contains a set of guidelines for preparing an Extended Abstract submission. Guidance is given on layout, text formatting, figures/tables, and references to ensure that all submissions are clear and consistent. The template is presented exactly as your extended abstract should appear, and it is highly advised to use it to prepare your submission in Word format. It is noticed that the manuscript should not exceed two pages in length, and should fit within the margins given in this template.

Abstract Format: Guidelines for Extended Abstracts - data.ws.2018.doc (please download from conference website)

All the manuscript file(s) of "Extended Abstract" should be emailed to [iwds2018.admn (at) gmail.com] by the set deadline of **15 September 2018**.

A light review by one of the LOC or AC members will be made to confirm typesetting and formatting of the manuscripts for presentations.

Registration:
Pre-conference registration can be made from here. No registration fee is required to attend the conference.
" Pre-conference registration form "

Accommodation:
As there are several hotels around Mishima central city area, participants are required to make their own reservations for accommodation.
The LOC is planning to reserve several rooms at discount rates for invited speakers and foreign participants in "Mishima Plaza Hotel" located within 6 minutes Walk south of the Mishima Citizens Cultural Hall. Room reservation of the Hotel is available from the "Registration Form" web-site.
There are many restaurants near the Mishima JR station and the Citizens Cultural Hall. Lunch will not be served at the conference, delegates are advised to use the restaurants within the vicinity of Mishima JR station and the Citizens Cultural Hall.

Social Events:
There will be several social events as follows (public lecture, icebreaker party, banquet, reception, tour to NIG & DBCLS, etc.). Detailed information will be announced in 2nd Circular.
➢ **Public Lecture** (12 Nov. 16:00–17:30). The lecture is planned for the general public and it will be delivered in Japanese at the Mishima Citizens Cultural Hall.
➢ **Icebreaker party** (12 Nov. 18:00). This will take place at the Mishima Citizens Cultural Hall, at the cost of 1,000 JPY per delegate.
➢ **Reception** (13 Nov. 19:00). This will take place at the Mishima Shoukou-Kaigi-Sho (1F TMO Hall), at the cost of 3,000 JPY per delegate.
➢ **Tour to NIG & DBCLS** (14 Nov. afternoon)

➢ **Banquet** (14 Nov. 18:00). To take place at the Lecture Hall (2F of NIG restaurant), delegates will be required to pay 3,000 JPY.

All payments for attending the foregoing events must be made at the registration desk of the conference. Please ask for details from a member of staff if unsure.

The above list of social events is currently tentative and more detailed information will be announced in 2nd Circular.

Local Organizing Committee (LOC) : (* Chair)

Masanori Arita (National Institute of Genetics, ROIS)
Tomoya Baba (Data Science Promotion Section, DS, ROIS)
Susumu Goto (Database Center for Life Science, DS, ROIS)
Rue Ikeya (University Research Administrator Station, ROIS)
Akira Kadokura (Polar Environment Data Science Center, DS, ROIS)
*Masaki Kanao (Polar Environment Data Science Center, DS, ROIS)
Naoko Kato (Center for Social Data Structuring, DS, ROIS)
Asanobu Kitamoto (Center for Open Data in the Humanities, DS, ROIS)
Tadahiko Maeda (Center for Social Data Structuring, DS, ROIS)
Mari Minowa (Database Center for Life Science, DS, ROIS)
Shinya Nakano (The Institute of Statistical Mathematics, ROIS)
Takeru Nakazato (Database Center for Life Science, DS, ROIS)
Koji Nishimura (Polar Environment Data Science Center, DS, ROIS)
Hideki Noguchi (Center for Genome Informatics, DS, ROIS)
Akihiko Nomizu (Data Science Promotion Section, DS, ROIS)
Yoshimasa Tanaka (Polar Environment Data Science Center, DS, ROIS)
Hironori Yabuki (Polar Environment Data Science Center, DS, ROIS)

Advisory Committee (AC) : (* Chair)

Phillippa Bricher (Australian Antarctic Division)
Taco De Bruin (Royal Netherlands Institute for Sea Research)
Shannon Christoffersen (University of Calgary)
Hiroyuki Enomoto (National Institute of Polar Research, ROIS)
*Asao Fujiyama (Joint Support-Center for Data Science Research, ROIS)
Øystein Godøy (Norwegian Meteorological Institute)
Kazuhiro Hayashi (National Institute of Science and Technology Policy)
Heidi J. Imker (Illinois University)
Toshihiko Iyemori (Kyoto University)
Yuji Kohara (Database Center for Life Science, DS, ROIS)
Ellsworth LeDrew (University of Waterloo)
Kassim S. Mwitondi (Sheffield Hallam University)
Yasuhiro Murayama (National Institute of Information and Communications Technology)
Tsuneo Odate (National Institute of Polar Research, ROIS)
Mark Parsons (Rensselaer Polytechnic Institute)
Peter Pulsifer (University of Colorado)
Hideaki Takeda (National Institute of Informatics, ROIS)
Seiji Tsuboi (Japan Agency for Marine-Earth Science and Technology)

Anton Van de Putte (Royal Belgian Institute for Natural Science)
Ryozo Yoshino (Center for Social Data Structuring, DS, ROIS)

Abbreviation & Location URL:

DS: [Joint Support-Center for Data Science Research](#)
DBCLS: [Database Center for Life Science](#)
NIG: [National Institute of Genetics](#)
ROIS: [Research Organization of Information and Systems](#)

Workshop Website :

https://ds.rois.ac.jp/article/dsws_2018/

Important Dates:

Registration & Abstract submission open: 01 July 2018
Fixing the sessions & program: 31 August 2018
Abstract submission deadline: 15 September 2018
Workshop date: 12-15 November 2018

Contact Address:

data.ws.loc-2018 (at) nipr.ac.jp