

Finnish-Japanese Data Center Seminar: Connectivity, Sustainability and Regional Development

February 8, 2021 ONLINE and Hokkaido University FMI Hall (Sapporo, Kita-ku, North 21, West 11)

The rapid growth of the global data center industry has resulted in the development of data center clusters in various regions and attempts to attract new investments are actively carried out in different parts of Finland and Japan. The Arctic Connect submarine fiber-optic cable project, planning to connect northern Europe, East Asia and North America, may radically change these countries' position in the international information networks. Meanwhile, issues concerning environmental sustainability, such as efficient cooling, re-use of heat, facility energy efficiency and renewable energy, have attracted plenty of attention among Finnish and Japanese industry and academia.



HOKKAIDO
UNIVERSITY



ARC
Arctic Research Center



HOKKAIDO
GOVERNMENT

Hokkaido
Nootopia Data
Center Study
Group

FDCF

Embassy of
Finland,
Tokyo

BUSINESS
FINLAND

PROGRAM (tentative, subject to change)

14:30 - 14:45 (07:30-07:45 Finnish time) Opening session (Moderator: Juha Saunavaara, Hokkaido University)
(Hokkaido University)
(Hokkaido Government)
Ambassador Pekka Orpana (Embassy of Finland, Tokyo)

14:45-16:15 Session 1 Connectivity

Chair: Tsuyoshi Yamamoto (Hokkaido University)
Taneli Vuorinen (Cinia): *Arctic Connect as an unique opportunity to DC connectivity between Japan and Europe through Finland*
Jun Murai (Keio University and WIDE): *Data Center and Digital Society*
Naotaka Yanagawa (Flower Communications): "TBA"
Yasutoshi Kikuchi (ARTERIA Networks): "TBA"
Kei Furuta (Digital Edge): "TBA"

16:15-16:25 Break

16:25-17:55 Session 2 Sustainability and Energy

Antti Laine (CTS Enteg): "TBA"
Ari Kurvi (Yandex): "TBA"
Seppo Ihalainen (Ficolo): *Beyond the Green: Ficolo The Air - The world's first dark green data center*
Petri Hyyppä (Aurora DC): "TBA"
(Sakura Internet): "TBA"
James McIntyre and Takahisa Tsuchiya (City of Bibai): *Data center utilizing snow cooling*

17:55-18:15 Break

18:15-19:45 Session 3 Regional Development and National Policies

Hiroshi Esaki (Tokyo University and WIDE): *Data center industry in Japan – Recent developments*
TBA: "Data center industry in Finland – Recent developments"
Joona Tolonen (Kajaani University of Applied Sciences): *20 years of system administration education - Data center studies in KUAS*
Jukka-Pekka Partanen (CSC): *HPC datacenter ecosystem in Kajaani*
Hirokazu Tanabe (Hokkaido Government): *Hokkaido Initiatives to attract and accumulate data centers*
Masanao Kikuchi (City of Tomakomai): *Business environment and industrial sites in Tomakomai*
Makoto Doyashiki (City of Ishikari): *To zero emissions / strengthen the resilience of data centers*

19:45-19:50 Closing (Business Finland) (Homepage: <https://finjpdcenterseminar.wixsite.com/2021>)

Seminar is free of charge but registration is required (January 20, 2021 or earlier). In order to register, please send an email to (juha.saunavaara@arc.hokudai.ac.jp). Message should be titled as "Finnish-Japanese Data Center Seminar" and consist of following information: name of the participant, affiliation and position, email address, information whether you are planning to join ONLINE or at the venue (FMI Hall, Hokkaido University).

In cooperation with
the 10th J-ARC Net
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