

# Program of Akita Meeting on Internet and Maps, and Ubiquitous Mapping

on Saturday, July 13, 2019 at Room #201, 2nd Floor, Bldg. #5, Faculty of Engineering Science, Tegata Campus, Akita Univ., Akita City, Japan P4GM+QG

Organized by ICA Commissions of Maps and Internet, and Ubiquitous Mapping

Cooperated with Human-Centered Computing Course of Akita University (Updated on July 11, 2019, at 12:00JST)

## Morning, July 13, 9:00-11:15 (Room #201, Bldg. #5, Faculty of Engineering Science, Tegata Campus, Akita Univ., P4GM+QG)

Time	Presentors	Titles of talks
09:00-09:05	Rex Cammack and Masatoshi Arikawa	Openning Remarks
09:05-09:25	Masatoshi Arikawa and Iori Sasaki	Overview of the workshop & Introduction to Akita
Session(1) Map Visualization and Displays (09:25-11:05) Chair: Rex Cammack		
09:25-09:50	Otakar Čerba and Karel Jedlička (Univ. of Western Bohemia, Czechia)	Visualization of Smart Points of Interest
09:50-10:15	Michael Peterson (Univ. of Nebraska Omaha, USA)	Ubiquitous Maps through Public Displays
10:15-10:40	Shigeo Takahashi (Aizu Univ., Japan)	Optimization approaches for human-centered map schematization
10:40-11:05	Lassi Lehto, Jaakko Kähkönen, Juha Oksanen and Tapani Sarjakoski (Finnish Geospatial Research Institute, Finland)	Harmonized Multiresolution Geodata Cube for Efficient Raster Data Analysis and Visualization

Coffee and Tea Break (11:05-11:15)

## Walking Local Tour around Akita Castle Park (Senshu Park) with Experience of Lunch, Local Culture and Maps where 20min on foot, 11:15-14:00

11:15-11:25	All	Group photos in Akita Univ.
11:25-11:45	All	Walking for and around Senshu Park for 20min
11:45-11:55	All	Group photos in Senshu Park
12:00-13:30	All	Lunch and Group photos with beautiful natures
13:30-13:50	All	Walking back to Akita Univ. for 20min

Coffee and Tea Break (13:50-14:00)

## Afternoon, July 13, 14:00-18:00 (Room #201, Bldg. #5, Faculty of Engineering Science, Tegata Campus, Akita Univ., P4GM+QG)

Session(2) Visualization, Modelling and Services for Maps (14:50-16:05) Chair: Otakar Čerba		
14:00-14:25	Rex Cammack (Univ. of Nebraska at Omaha, USA)	Overcoming Positional Accuracy and Temporal Point Data
14:25-14:50	Karel Jedlička & Otakar Čerba (Univ. of Western Bohemia, Czechia)	Traffic volume modelling map - an example of dynamic, analytical web map
14:50-15:15	Si Ruochen, Kaji Hideki, Shibasaki Ryosuke (Center for Spatial Info. Sci., Univ. of Tokyo, Japan) and Arikawa Masatoshi (Akita Univ., Japan)	Applications of Map Collaging on Local Education and Tourism
15:15-15:40	Pyry Kettunen (Finnish Geospatial Research Institute, Finland)	Baltic Explorer Web Map: A Spatial Decision Support System for Maritime Spatial Planning
15:40-16:05	Sverre Iversen (Geological Survey of Norway, Norway)	Measurements of Deformation

Coffee and Tea Break (16:05-16:20)

## Session(3) Ubiquitous Mapping (16:20-17:20) Chair: Shigeo Takahashi

16:20-16:35	Akinori Takahashi, Shin Kawase and Masatoshi Arikawa (Akita Univ., Japan)	A Visualization System for Tourists' Gaze Areas using Top and Front Images of Webcams
16:35-16:50	Shinpei Ito, Akinori Takahashi and Masatoshi Arikawa (Akita Univ., Japan) and Ruochen Si (Univ. of Tokyo, Japan)	Inertial Odometer-Based Global High Precision Indoor Human Navigation
16:50-17:05	Hoshito Tokita, Masatoshi Arikawa, Ren Sato, Akinori Takahashi (Akita Univ., Japan) and Ruochen Si (Univ. of Tokyo, Japan)	Proposal of Virtual Circular Geofences
17:05-17:20	Masatoshi Arikawa, Ryodai Tayama, Akinori Takahashi (Akita Univ., Japan) and Ruochen Si (Univ. of Tokyo, Japan)	A Walking Language for Mobile Audio Tours
17:20-17:50	All	Roundtable on Sustainable Development of Maps, Cartography, ICA, IT, AI, Human Being and Earth
17:50-18:00	Rex Cammack and Masatoshi Arikawa	Closing Remarks

Local Dinner Meeting on Future, Present and Past Maps, Cartography and Akita from 18:30 near JR Akita Station where 15min on foot