December 26, 2024

GeoAI Workshop

Theme: Automatic Extraction of Place Names and Map Symbols on Paper Maps by AI

This workshop will explain how to extract place names and map symbols on paper maps using AI technology, and examine its effectiveness and challenges. The workshop will invite Dr. Yao-Yi Chiang (University of Minnesota, USA), developer of MapKulator, and Dr. Ta-Chien Chan (Academia Sinica, Taiwan), developer of map symbol extraction program, to report their cutting-edge research results.

Hybrid format using Zoom

Free to attend, no advance registration required (advance registration required for online participation)

You have been invited to a Zoom meeting.

Time: 10 January 2025, 1:00 PM Osaka, Sapporo, Tokyo

Register in advance for this meeting:

https://ritsumei-ac-jp.zoom.us/meeting/register/tJUtdeyqqT0pGdHAYAxtCodTApwQx3I27u2B

After registering, you will receive an email with information about joining the meeting.

Sponsored by Department of Geography, Ritsumeikan University

Date: Friday, January 9, 2025, 13:00-16:00

Venue: Conference Hall, Ground Floor of the Research Institute for Disaster Mitigation of Historic Cities (https://r-dmuch.jp/en/access/)

Program:

13:00-13:45 Dr Ta-Chien Chan,

"AI-Driven Online Map Text and Symbol Detection: A Co-Pilot for Historical Maps".

13:45-14:30 Dr Yao-Yi, Chiang

"Hyper-Local Deformable Transformers for Text Spotting on Historical Maps"

Break

14:45-15:15 Professor Keiji Yano and Mr Ryo Kamata,

"Examples of the application of GeoAI to Japanese old and past topographic maps"

15:15-16:00 Discussion

Speakers:

Dr. Yao-Yi Chiang [https://yaoyichi.github.io]

Associate Professor of Computer Science & Engineering, Director of Graduate Studies, Data Science, University of Minnesota

Dr. Ta-Chien Chan

Research Fellow, Center for Geographic Information Science, Research Center for Humanities and Social Sciences, Academia Sinica, Taiwan

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