

氏名 / name : RACHARAK Teeradaj

役職 / official position : Senior Lecturer

1. 指導方針 / Guiding principle

To enhance students' abilities, I conduct:

1. Intensive discussion on one-to-one meetings,
2. Research progress and group discussion on lab meeting,
3. Guidance on improving scientific paper writing and presentation skills,
4. Reading groups to enhance research thinking.

If the students face any problems, I will try my best to help them solving their problems (e.g. providing personal teaching or coding practices). In addition, I will also support the students to broaden their network with leading experts in their respective fields.

2. 学修目標 / Learning Goals

I aim to foster education in AI - covering Knowledge Representation and Reasoning, and Machine Learning. Students will learn to use diverse input including both structured (e.g. tabular data and knowledgebases) and unstructured data (e.g. text, images, and videos). They will learn to develop AI systems based on their interest, including natural language processing, computer vision, and/or logical reasoning.

Recall that AI systems are increasingly deployed in important and high-risk domains. Hence, it is necessary to understand the relative strengths and weaknesses of those systems. Therefore, I also aim to foster education in the explainability research field. Students will learn techniques to enhance explainability, fairness, privacy, and transparency in AI. For instance, they will learn to design inherently interpretable models, apply post-hoc explanations for models' behavior, and analyze to understand what could be easy or difficult for AI systems to understand the behavior of the developed AI systems.

3. 研究室活動 / Laboratory Activities

We do not have a specific core time, but we encourage students to be in the laboratory during the school office hour. An important activity is one-to-one advisor meetings. After students have completed their coursework, this activity is expected to schedule weekly. Through the meeting, students will report progress and receive advice on their research direction. Presentations at international conferences or publications in English-language journals are encouraged to submit before/after their graduation where they are first-authored or co-authored.