**Natural Language Processing:**
Explore the frontier of AI that understands language

Natural Language Processing Lab (Inui-Suzuki Lab)

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The most important medium for communication is the **language** that we use every day — languages like Japanese and English (natural language). In this course, we hope that you will learn how challenging and interesting it can be to make software that handle natural languages well by developing your own Natural Language Processing programs: AI software that processes the information and knowledge that is represented, transmitted, and stored in natural languages.

### Example themes

1. **Knowledge acquisition from large-scale Web data**
   Try making a program that can learn knowledge by reading large amounts of Web texts

2. **Creating a chatbot**
   Try making a software agent that can chat with people

3. **Improving machine translation**
   Try making advanced neural machine translation systems even better

Topics are not limited to these examples. Final topics will be decided based on the abilities and interests of the participants. Visit our lab’s website to learn more details.

https://www.nlp.ecei.tohoku.ac.jp/lec/souzou/