Special Topics in Mechano-Informatics II
Wednesday 14:55-16:40
Room: Faculty of Engineering Bldg.2 Room#233

**- Course Objectives/Overview**

The goal of this course is to provide advanced topics in the field of Machine Learning, Artificial Intelligence and Big Data. All lectures are members of RIKEN Center for Advanced Intelligence Project (AIP).

**- Keywords**

Machine Learning, Artificial Intelligence, Big Data

**- Teaching Methods**

Classroom lecture

**- Method of Evaluation**

Homeworks

Class Participation

**- Schedule**

2019/4/10 Masashi Sugiyama: Overview of AI Research and Introduction of RIKEN Center for AIP

2019/4/17 Tatsuya Harada: Image and Video Recognition Using Machine Learning

2019/4/24 Mihoko Otake: Cognitive Behavioral Assistive Technology

2019/5/8 Hiroshi Nakagawa: Social Impact of AI

2019/5/15 Kohei Hatano: Online Prediction

2019/5/22 Kazuki Yoshizoe: Search Algorithms in AI

2019/5/29 Kentaro Inui: Natural Language Understanding and Commonsense Reasoning

2019/6/5 Koji Tsuda: Materials Informatics

2019/6/12 Emtiyaz Khan: Bayesian Deep Learning

2019/6/19 Ichiro Takeuchi: Statistical Inference for Big Data Era: Introduction to Selective Inference

2019/6/26 Junya Honda: Algorithms for Bandit Problems

2019/7/3: Yoshinobu Kawahara Learning and Analysis of Dynamical Systems

2019/7/10 Backup

**- Required Textbook**

non

**- Reference Books**

機械学習プロフェッショナルシリーズ，講談社

**- Course-Related Websites**

  http://www.riken.jp/en/research/labs/aip/

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