

北陸先端科学技術大学院大学研究室教育指針
Laboratory Education Guideline

研究室教育指針は、学則第30条の3に基づき、研究指導の方法及び内容並びに修了までの研究指導の計画をあらかじめ明示するものです。
Based on the Article 30-3 of the general academic rules, the Laboratory Education Guideline is intended to clearly outline the methods and content of research guidance, as well as the plan for research guidance until completion.

氏名 / name : Yukio HAYASHI 役職 / official position : Professor

1. 研究テーマ / Research Theme
Complex Network Science [Keywords] Network Science, Wireless Communication, Fractal Statistical Physics, Algorithm, Optimization, Biological Mechanism, SNS, Influencer
2. 修得が期待される能力 / Competencies expected to be acquired 研究室教育は必修 A 科目 (先端) 又は研究支援科目 (融合) の一部として単位化されており、この欄はそれら科目のシラバス上の達成目標の一部となります。 Laboratory Education is accredited as a part of the Required courses A (Division of Advanced Science and Technology) or Research Support Courses (Division of Transdisciplinary Sciences), and this section constitutes a part of the course goals stated in the syllabus for such subjects. You can learn what and how is desirable social innovation in thinking and exploring the problems of vulnerability in many real networks. Moreover, you can get many skills for network analysis, distributed computing, and sever management.
3. 研究指導方針 / Research Guiding Principle
We strongly require your aggressive attitude and motivation to study a new research-filed of complex network science, although you will start from the elemental contents. In a master-course, since there already exist no-solutions, you have to explore what are problems and effective approaches in efforts of survey research. Thus, you should carry out your well-conceived plan, and present your research progress in our laboratory seminar ever week.
4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities
<input type="checkbox"/> 日次活動 / Daily Activities : Recommending attendance time AM9-PM18, Afternoon is our core-time for research discussions <input type="checkbox"/> 週次活動 / Weekly Activities : Reporting your own research progress in the laboratory seminar on every Friday <input type="checkbox"/> 月次活動 / Monthly Activities : More than one time per month, consultations for revising student's research plan <input type="checkbox"/> 不定期活動 / Occasional Activities : Internship in a company, Collaboration with Kanazawa university, and Research presentation in domestic or international conferences
5. 年間スケジュール / Annual Schedule
本学の全学共通の年間スケジュールは「履修案内」の「学位取得に至るスケジュール」を参照してください。(本学HP 参照: ホーム>教育>履修関係>履修案内) Please refer to the "Degree conferment schedule for the master's program/doctoral program" in the "Degree Completion Guide" for university-wide common schedule (JAIST website: Home>Education>Taking Courses>Degree Completion Guide)
<ul style="list-style-type: none"> • Irregular laboratory discussion meeting (with a visiting lecturer) • Research presentations in domestic symposiums at the end of year and International Conference on Complex Networks • Transdisciplinary sessions(Master: Aug., Docter: Oct.-Mar.), Transdisciplinary Laboratory rotation (Oct.-Dec.) in division of transdisciplinary science • Laboratory gathering parties in spring, summer, autumn, and winter