

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 : HE Cuiwei 役職 / official position : Senior Lecturer

1. 研究テーマ / Research Theme
Optical and Wireless Communications
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.
We are seeking motivated students to join our research team in the field of wireless and/or optical communications. Our lab involves a diverse range of research topics, both theoretical and practical. If you have a background in any of the following areas, we encourage you to reach out: Mathematics, Communication Theory, Simulations, Electronics, Optoelectronics, and Optics.
3. 研究指導方針 / Research Guiding Principle
You will learn advanced transmission techniques used in modern wireless communication systems. You will learn how to build an optical wireless communication testbed using commercially available devices, or components built on your own. Then, you will be able to test your original idea using the constructed testbed. Additionally, through internal collaboration, you will have the opportunity to engage in interdisciplinary research that combines materials science and information science.
4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities
☐ 日次活動 / Daily Activities : All members must follow safety rules, use shared equipment responsibly, keep workspaces tidy, turn off instruments after use, and back up data daily. ☐ 週次活動 / Weekly Activities : All members are expected to attend the weekly group meeting and report research progress, issues, and plans. ☐ 月次活動 / Monthly Activities : All members should review monthly research progress, update milestones, and check equipment and safety conditions. ☐ 不定期活動 / Occasional Activities : Members may participate in lab seminars, collaborations, conferences, and outreach activities as required.
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)

All members should follow the annual research schedule and check the "Degree conferment schedule for the master's program/doctoral program" in the "Degree Completion Guide" for important university-wide deadlines.