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： AN, Toshu　　役職 / official position： Associate Professor

1. 研究テーマ / Research Theme
Quantum sensor, spin sensing and imaging, nano MRI, diamond NV center
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 aim to acquire the ability to set and solve problems for oneself, and the ability to explain and communicate results to others and society. To this end, we first develop students' ability to acquire, analyze, summarize, and present experimental data on their own through simple experiments. Afterwards, students will work on setting and solving challenging themes on their own. Through research, we also place emphasis on acquiring English literature reading comprehension, communication skills, and equipment development skills.
3. 研究指導方針 / Research Guiding Principle
Through research in quantum sensing and imaging, we aim to develop students' solid knowledge by understanding the basics of material properties, the ability to set their own problems, the ability to think freely, and the ability to solve problems, with the goal of connecting them to applications in quantum technology, particularly quantum sensors and quantum computing devices. We will set up many opportunities for discussion in your daily research and improve your communication skills. We will also work on developing new measurement methods and acquiring optical technology as a means to solve problems. We provide a place for highly motivated people to participate in research, experience the real pleasure of exciting research, and establish the foundation for their future success.
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： Morning discussion □週次活動 / Weekly Activities： Student seminar, laboratory seminar □月次活動 / Monthly Activities： Individual meeting □不定期活動 / Occasional Activities： lab assemblies, technical study sessions, conference presentations, training camp
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)
-Laboratory training for new students (April-June) -Laboratory training camp (August) -Participation in the Japan Society of Applied Physics (September, March) -Participation in international conferences (once a year)