

Graduate School of Science and Technology, University of Tsukuba
Master's Program in Materials Innovation Thesis Presentation

Date : February 19th, 2024 13:30 - 17:30

Venue : Laboratory of Advanced Research B, Room110

| | Course | Start Time | Student ID No. Name | ○-- Chief Examiner Non-Sub-Chief Examiner | Title | | Chair |
|---|-----------------|------------|--|---|--|--|----------------------------|
| 1 | Master's Course | 13:30 | 202220387 まえじま けんたろう 前島 賢太郎 | ○ 山本 洋平/Yohei Yamamoto Professor 所 裕子/Yuko Tokoro Professor 則包 恭央/Yasuo Norikane Assoc.Prof 山岸 洋/Hiroshi Yamagishi Asst.Prof | Development of photo-responsive porous molecularcrystal for ultrafast humidification and vaporactuation (超高速加湿および蒸気アクチュエーターのための光応答性多孔質分子結晶の開発) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | 長谷 宗明 /Muneaki Hase |
| 2 | Master's Course | 14:00 | 202220385 のぐち なつみ 野口 夏未 | ○ 近藤 剛弘/Takahiro Kondo Professor 山本 洋平/Yohei Yamamoto Professor 所 裕子/Yuko Tokoro Professor 武安 光太郎/Kotaro Takeyasu Asst.Prof | Hydrogen storage-release property andmechanism of MgH ₂ -Ni/HB composite (MgH ₂ -Ni/HB の水素吸蔵・放出特性とそのメカニズム) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | |
| 3 | Master's Course | 14:30 | 202220389 えかてりーな でんぎなー Ekaterina Dengina | ○ Sepehri Amin Hossein Assoc.Prof 三谷 誠司/Seiji Mitani Professor 柳原 英人/Hideto Yanagihara Professor | Micromagnetic simulations on the correlation ofmicrostructure and magnetization reversal in hardmagnetic materials (ハード磁性材料における微細構造と磁化反転の相関に関するマイクロマグネティックシミュレーションを用いた研究) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | |
| 4 | Master's Course | 15:00 | 202220384 たかみざわ せんみ 高見沢 仙美 | ○ 長谷 宗明/Muneaki Hase Professor 柳原 英人/Hideto Yanagihara Professor 武内 修/Osamu Takeuchi Assoc.Prof | Investigation of terahertz emission fromMoSe ₂ under ultrafast laser excitation (超高速レーザー励起下におけるMoSe ₂ からのテラヘルツ発光の研究) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | 山岸 洋 /Hiroshi Yamagishi |
| 5 | Master's Course | 15:30 | 202220388 てい ゆう 鄭 融 | ○ 櫻井 岳暁/Takeaki Sakurai Professor 長谷 宗明/Muneaki Hase Professor SANG Liwen Assoc.Prof | Study of silicon-vacancy center and carbonantisite-vacancy pairs in 4H-SiC for quantumapplications (量子応用を目指した4H-SiCにおけるシリコン空孔中心および炭素アンチサイト空孔対の特性評価) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | |
| 6 | Master's Course | 16:00 | 202220386 ふじた しょうこ 藤田 翔子 | ○ 武安 光太郎/Kotaro Takeyasu Asst.Prof 近藤 剛弘/Takahiro Kondo Professor 辻村 清也/Seiya Tsujimura Assoc.Prof | Improvement of caged nitrogen-doped graphenecatalyst and the MEA evaluation (籠状窒素ドーブグラフェン触媒の高性能化とMEA評価) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | |
| 7 | Master's Course | 16:30 | 202220390 りょう しん いえん LIAO HSIN-YEN | ○ 山本 洋平/Yohei Yamamoto Professor 辻村 清也/Seiya Tsujimura Assoc.Prof Lok Kumar Shrestha Assoc.Prof 山岸 洋/Hiroshi Yamagishi Asst.Prof | Self-assembled hyaluronic acid microresonatorsfor moisture and chemical sensors (湿度および化学センサーとしての自己組織化ヒアルロン酸マイクロ光共振器の開発) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | 武安 光太郎 /Kotaro Takeyasu |
| 8 | Master's Course | 17:00 | 202220383 さとう しゅんり 佐藤 駿里 Shunri Sato | ○ 山本 洋平/Yohei Yamamoto Professor 辻村 清也/Seiya Tsujimura Assoc.Prof Lok Kumar Shrestha Assoc.Prof 山岸 洋/Hiroshi Yamagishi Asst.Prof | Proteomics analysis and cellular thermometry with molecularly engineered whispering gallery mode resonators (光共振器を用いたプロテオミクス分析と細胞温度計測手法の開発) | Presentation/17min. Q&A/12min. (Exchange time 1min.) | |