

6. コース生の業績

平成 24 年度から 26 年度までの本プログラムコース生の「受賞」「発表論文」「学会・シンポジウム等での発表」を以下に記す。

6.1. 受賞

- **日本金属学会優秀ポスター賞**
赤嶺大志「CoPt 合金の不規則-規則変態におけるバリエーション選択則と微細組織に与える磁場効果」日本金属学会, 2012.9.18.
- **若手講演論文賞**
Hirhosi Akamine “Electron Microscopy Study of Preferential Variant Selection in CoPt Alloy Ordered under a Magnetic Field” 日本金属学会, 2014.3.21.
- **総合理工学府賞**
赤嶺大志, 九州大学大学院総合理工学府, 2014.3.25.
- **学生発表優秀賞**
花田尊徳「PLD 法により作製されたボロンドープ超ナノ微結晶ダイヤモンド/水素化アモルファスカarbon混相膜の光導電型による受光特性評価」第 4 回半導体・材料デバイスフォーラム, 2012.11.23.
- **Presentation Award**
正木悠聖「好酸性鉄還元細菌を利用した Cr(VI)のバイオレメディエーションに関する研究」資源・素材学会九州支部, 2012.5.
- **Best Presentation**
Yusei Masaki “Fundamental Study on Cr(VI) Reduction by Acidophilic Fe(III)-Reducing Bacterium” International symposium on earth science and technology CINEST, 2013.12.4.
- **Best Presentation**
Yusei Masaki “Microbial Community Structure Analysis of Chinoike-Jigoku (Blood-Pond Hell) Hot Spring and Search for Useful Microorganisms Applicable to Bioremediation of Heavy Metals” International Symposium on Earth Science and Technology CINEST, 2014.12.5.
- **優秀ポスター賞**
濱田夏彦「QUESTにおけるプラズマ対向壁の熱負荷計測」52回プラズマ若手夏の学校, プラズマ・核融合学会, 2013.9.4.
- **Best Paper “Mitsui Matsushima” Award**
Sendy Dwiki “Post Closure Water Quality Simulation of Mangkalapi Pit in Batulicin Coal Mine, South Kalimantan, Indonesia” International Symposium on Earth Science and Technology (CINEST) 2013, 2013.12.3-4.
- **Best Postert Award**

Khanam Marzia, M. Bannai, T. Miyazaki, B. B. Saha, S. Koyama “Feasibility of Solar Energy for Air conditioning in Chitradurga, India” The 16th Cross Straits Symposium on Energy and Environmental Science and Technology (CSS-EEST) 2014, Jeju, Korea, 2014.11.13-15.

6.2. 論文, 紀要

- Hiroshi Akamine, M. Itakura, M. Nishida, N. Katayama, K. Morimoto “Microstructure Changes for HDDR-processed Nd-Fe-B Powders with Different Al and Nd contents” *Proceedings of the 22th International Workshop on Rare-Earth Permanent Magnets and their Applications*, **2012**, 303-306.
- K. Morimoto, N. Katayama, Hiroshi Akamine, M. Itakura “Coercivity Enhancement of Anisotropic Dy-Free Nd-Fe-B Powders by Conventional HDDR Process” *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3723-3726.
- Hiroshi Akamine, S. Farjami, M. Mitsuhashi, M. Nishida, T. Fukuda, T. Kakeshita “Electron Microscopy Study of Preferential Variant Selection in CoPt Alloy Ordered under a Magnetic Field” *Materials Transactions*, **2013**, 54, 1715-1718.
- S. Al-Riyami, M. Shaban, Hiroki Gima, T. Yoshitake “Effects of Hydrogen and Nitrogen Atmospheres on Growth of Ultrananocrystalline Diamond/Amorphous Carbon Composite Films by Reactive Pulsed Laser Deposition” *Japanese Journal of Applied Physics*, **2013**, 52, 06GG06.
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- S. Ohmagari, Takanori Hanada, Y. Katamune, S. Al-Riyami, T. Yoshitake “Carrier Transport and Photodetection in Heterojunction Photodiodes Comprising n-Type Silicon and p-Type Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films” *Japanese Journal of Applied Physics*, **2014**, 53, 050307.
- Tsuyoshi Sato, A. Hagishima, N. Ikegaya, J. Tanimoto “Particle Image Velocimetry Measurement of Unsteady Turbulent Flow around Regularly Arranged High-Rise Building Models” *International Journal of High-Rise Buildings*, **2013**, 2, 105-113.
- Yusei Masaki, K. Sasaki, T. Hirajima, N. Okibe “Fundamental Study on Cr(VI) Reduction by Acidophilic Fe(III)-Reducing Bacterium” *Proceedings of International symposium on earth science and technology CINEST*, **2013**, 234-237.
- Yusei Masaki, K. Tsutsumi, T. Hirajima, K. Sasaki, N. Okibe “Microbial Community Structure Analysis of Chinoike-Jigoku (Blood-Pond Hell) Hot Spring and Search for Useful Microorganisms Applicable to Bioremediation of Heavy Metals” *Proceedings of International symposium on earth science and technology CINEST*, **2014**, 222-224.
- Yusei Masaki, T. Hirajima, K. Sasaki, N. Okibe “Bioreduction and Immobilization of Hexavalent Chromium by the Extremely Acidophilic Fe(III)-Reducing Bacterium *Acidocella Aromatica* Strain PFBC” *Extremophiles*, **2015**, 19, 495-503.
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- Shinji Matsumoto, K. Hiroto, T. Sasaoka, H. Shimada, K. Matsui “Acid Mine Drainage Prevention in Zambian Coal Mines” *Proceedings of the 6th International Conference on Earth Resources Technology*, **2012**, CD-ROM.
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- Shinji Matsumoto, H. Shimada, T. Sasaoka, K. Matsui “Challenges in Acidic Water Control by Considering the Effects of Waste Rock Condition” *Proceedings of 15th International Symposium on Mineral Resources and Mine Development*, **2014**, 427-435.
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- N. Promros, R. Baba, Tarek M. Mostafa, M. Takahara, M. Shaban, T. Yoshitake “Mechanism of Carrier Transport at Low Temperatures in n-Type β -FeSi₂/p-Type Si Heterojunctions Fabricated by Facing-Target Direct-Current Sputtering” *AMMA 2015*, to be published.
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6.3. 講演, 学会発表

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- Hiroshi Akamine, S. Farjami, M. Mitsuahara, M. Itakura, M. Nishida, T. Fukuda, T. Kakeshita “TEM Study of Disorder-order Transformation under Magnetic Field in CoPt Alloy” IMPRES2013, 九州大学伊都キャンパス, 2013.9.4.
- 赤嶺大志, Sahar Farjami, 坂口英継, 板倉賢, 西田稔, 福田隆, 掛下知行「フェーズフィールド法と組織観察に基づく A1-L10 相変態におけるバリエーション選択過程の考察」平成24年度日本金属学会秋季大会, 金沢大学, 2013.9.17.
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- Hiroki Gima, S. Al-Riyami, T. Yoshitake “Fabrication of n-Type Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films Prepared By Coaxial Arc Plasma Gun” The 14th Cross Straits Symposium on Energy and Environmental Science and Technology, 九州大学, 2013.2.18.
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- 花田尊徳, 大曲新矢, 吉武剛「超ナノ微結晶ダイヤモンド/水素化アモルファスカーボン混相膜の光導電効果」応用物理学九州支部学術講演会—支部設立 60 周年記念大会—, 長崎, 2013.11.30.
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