

High School Poster Session

Wednesday AM

Room: Annex Hall

August 3, 2016

HS-1: Mechanical Property of IF Steel Measured by Using a Micro-Size Testing Method: *A. Honda*¹; *M. Fujisaki*²; *N. Nakamura*²; *M. Tanaka*²; ¹Seinangakuin Senior High School; ²Kyushu University

HS-2: Joining of UHTC to Refractory Metal by Cu-Nb TLP Interlayers: *K. Kurogi*¹; *S. Chikuji*²; *K. Babazono*³; *K. Honda*³; *N. Saito*³; ¹Sadowara High School; ²Jonan High School; ³Kyushu University

HS-3: Nb-Doped TiO₂ Polymorphs for Transparent Conducting Oxide: An Insight from First-Principles Calculation: *S. Yoshida*¹; *R. Nakashima*²; *Y. Kasuya*³; *R. Urakami*³; *Y. Sato*³; ¹Chikusigaoka High School; ²Fukuoka High School; ³Kyushu University

HS-4: Microstructure and Mechanical Property of Cu Bearing Medium Mn Steel: *N. Ogimoto*¹; *T. Masumura*²; *D. Akama*²; *T. Tsuchiyama*²; ¹Kasumigaoka Senior High School; ²Kyushu University

HS-5: Laser-Controlled Arrangement of Non-Superconducting Defects on YBa₂Cu₃O_y Superconducting Films: *K. Matsufuji*¹; *T. Miyajima*²; *T. Maeda*²; *R. Teranishi*²; ¹Shuyukan High School; ²Kyushu University

HS-6: Controlling Arrangement of Flux Pinning Centers by Introducing Defects into YBa₂Cu₃O_y Superconducting Film: *Y. Morimoto*¹; *K. Matsufuji*²; *R. Teranishi*³; *T. Miyajima*³; *T. Maeda*³; ¹Kumamoto High School; ²Shuyukan High School; ³Kyushu University

HS-7: A Novel Conversion of Heat to Electric Power without Temperature Difference Using n-Type Ba₈Au_xSi_{46-x} Clathrate: *Y. Kajiwara*¹; *K. Yamasoto*²; *Y. Osakabe*²; *S. Munetoh*²; *O. Furukimi*²; ¹Fukuoka High School; ²Kyushu University

HS-8: A Novel Electric Power Generation Mechanism from Heat with Ba₈Au_xSi_{46-x} clathrate: *T. Nagahuji*¹; *K. Yamasoto*²; *Y. Osakabe*²; *S. Munetoh*²; *O. Furukimi*²; ¹Takamori High School; ²Kyushu University

HS-9: Effect of Iron Ore's Density and Number of Contact Point during the Microwave Heating: *Y. Yamada*¹; *M. Doji*²; *H. Ogi*²; *A. Amini*²; *K. Ohno*²; *T. Maeda*²; *K. Kunitomo*²; ¹Chikushigaoka High School; ²Kyushu University