| Session 1 | (AM) Chair: K. Shima |
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| 09:55-10:00 | Opening Remarks Prof. Kazuki Morita, Univ. of Tokyo |
| 10:00-10:40 | Invited: Mechanics of Ultrathin Films of Graphene and Graphene Oxide Prof. Tobin Filleter, Univ. of Toronto |
| 10:40-11:00 | Synthesis of Single Walled Carbon Nanotubes with Small Diameter by Using Cu/Co Bimetallic Catalyst Hua An, Univ. of Tokyo |
| 11:00-11:20 | Scanning Tunneling Microscopy Measurement and Manipulation of Phthalocyanine Molecules on Metal Surfaces Taylor Stock, Univ. of Toronto |
| 11:20-11:40 | Break |
| 11:40-12:00 | Material Potential of Ultrathin Highly-doped Germanium for ULSI Technology Shoichi Kabuyanagi, Univ. of Tokyo |
| 12:00-12:20 | Novel Spray-formed, Metallic Foam Core Sandwich Structures for High Temperature Heat Exchanger Applications Saeid Salavati, Univ. of Toronto |
| 12:20-12:40 | Hot-wire-assisted Atomic Layer Deposition of Highly Pure and Conformal Metal Films in the Non-oxidization Ambient Guangjie Yuan, Univ. of Tokyo |
| 12:40-13:40 | Lunch |
| Session 2 | (PM) Chair: J. Tam and J. Zuliani |
| 13:40-14:20 | Invited: Development of Multilayered Steels Consisting of High Cu Containing Steel Prof. Shoichi Nambu, Univ. of Tokyo ••••1 |
| 14:20-14:40 | Electromagnetic Levitation of Silicon and Silicon-Iron Alloy Droplets Paul Wu, Univ. of Toronto |
| 14:40-15:00 | Investigation of Metastable Dissolution of Graphite into Fe-Si Alloy for Application to Rapid SiC Solution Growth Taka Narumi, Univ. of Tokyo |
| 15:00-15:30 | Break (group photo) |
| 15:30-15:50 | Kinetics of Chemical Vapor Deposition Using CH ₃ SiCl ₃ /H ₂ for SiC Film Coating into the High Aspect Ratio Features Kohei Shima, Univ. of Tokyo |
| 15:50-16:10 | Fatigue Challenges and Mechanical Damage Evolution in Automobile PEM Fuel Cells Roshanak Banan, Univ. of Toronto |
| 16:10-16:30 | AE Characterization of the Effect of Confinement Layer on Laser Shock Peening Tomoki Takata, Univ. of Tokyo |
| 16:30-16:50 | Break |
| 16:50-17:10 | Two-dimensional Observation of Grain Movements in Elongated and Aligned Grain Structure during High Temperature Deformation Hiroshi Masuda, Univ. of Tokyo |
| 17:10-17:30 | Fatigue Life Assessment of Front End Accessory Drive Systems Maryam Talimi, Univ. of Toronto |

| 17:30-17:50 | A Bicrystal Study on Diffusion-atomic/electronic Structures Relationship in Alumina |
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GBsYuliu You, Univ. of Tokyo

18:00-20:00 Student party at lounge of Bldg. E

Day Two: Wednesday, June 11, 2014

| Session 3 (AM) Chair: T. Narumi | | |
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| 10:00-10:40 | Invited: Porous Structures and Surface Areas Prof. Donald Kirk, Univ. of Toronto • • • 34 | |
| 10:40-11:00 | Novel Recycling Process of Gold from Electrical and Electronic Equipments Using "Organic Aqua Regia" Akihiro Yoshimura, Univ. of Tokyo | |
| 11:00-11:20 | Performance of Activated Oil Sands Fluid Coke in Electrical Double-layer Capacitors Jocelyn E. Zuliani, Univ. of Toronto | |
| 11:20-11:40 | Break | |
| 11:40-12:00 | Effect of Basicity on the Time-Temperature Transformation Diagram of Synthetic Slags Sherry Esfahani, Univ. of Toronto | |
| 12:00-12:20 | Separation Technology of Tramp Elements in Aluminium Alloy Scrap by Using the Semisolid Processing Thet Thet Cho, Univ. of Tokyo | |
| 12:20-12:40 | Effect of Thermal Pre-Treatment on REE Extraction from Ionic Clays Frank Cheuk, Univ. of Toronto | |
| 12:40-13:40 | Lunch | |
| Session 4 | (PM) Chair: M. Talimi | |
| 13:40-14:20 | Invited: A 3D Integrated Model of Cardiomyocytes Revealed the Importance of Intracellular Structure for Contractile Function Prof. Asuka Hatano, Univ. of Tokyo •••46 | |
| 14:20-14:40 | Bio-Inspired Advanced Materials Jason Tam, Univ. of Toronto | |
| 14:40-15:00 | Break | |
| 15:00-15:20 | Synthesis of Superhydrophobic Nanocomposite Coatings Using Electrodeposition Daniel Iacovetta, Univ. of Toronto | |
| 15:20-15:40 | The Development of Biocompatible Shape Memory Polymer (SMP) Blends and Foams for Biomedical and Clinical Applications Janice Song, Univ. of Toronto | |
| 15:40-16:00 | Applicability of FFS Assessment Using Partial Safety Factors Evaluated by Infinite Plate Qiang Qu, Univ. of Tokyo | |
| 16:00-16:05 | Closing Remarks Prof. Charles Q. Jia, Univ. of Toronto | |
| 16:30-18:00 | Lab tour of Institute of Industrial Science (IIS) | |
| 19:00-21:00 | Banquet at Lever son Verre Restaurant | |