

Society of Tribologists and Lubrication Engineers

2011 IJTC

Student Poster Award Results

Miss Marine Bernard

Tribological Behavior of Ag Soft Metal Coating: Comparison Between Two Different Contact Configurations at High Temperature

Mr. Hongyu Gao

Analytical Models and Numerical Methods for SrTiO₃ Atomic Friction

Mr. Hamed Ghaednia

Experimental Analysis of Stable CuO Nanoparticle-Enhanced Lubricants

Miss Snegdha Gupta

Optimization of Magnetorheological Brake

Mr. Vahid Hejazi

Composite Materials for Sustainable Lotus-Effect Surfaces

Mr. Harmandeep Singh Khare *2nd Place*

Characterization of Nanoscale Surface Films in Solid Lubricants

Mr. Chung-Hyuk Lee

Frictions of the Films on the Window Glass

Mr. Gyu-Sun Lee

Scuffing and Lubricant Temperature Behaviors of Nanodiamond Dispersed Mineral Oil

Mr. Vahid Mortazavi

Self-organization Induced by Friction for Biomimetics and Green Tribology: Turing Structures and Running-in

Mr. Milan Omasta

Study of Elastohydrodynamic Film Shape Under Different Directions of Velocity Vectors

Mr. Eli Patten

A Multi-Directional Tribo-System: Testing the Cross-Shear and Rolling/Sliding Wear of UHMWPE for Total Knee Replacements

Ms. Leyla Ramin

Odd-Even Effects on Tribology of Self Assembled Monolayers

Mr. Ehsan Rismani Yazdi

Improvement of Nano-Tribological Characteristics of Ultra-Thin Tetrahedral Amorphous Carbon (ta-C) Coatings of the Magnetic Head by Formation of an Al-C-Si Composite Interlayer

Mr. Yuya Sakano

Friction and Wear Properties of PTFE Composites Against 6061-T6 Aluminum Alloy Under Hydrogen Atmosphere

Society of Tribologists and Lubrication Engineers

2011 IJTC

Student Poster Award Results

Mr. Gurjeet Singh

The Effects of Shoe Tread and Fluid Lubricant on Shoe-Floor-Contaminant Hydrodynamic Lubrication and Coefficient of Friction

Mr. Wenping Song

Yield Inception of a Coated Substrate Indented by a Rigid Sphere

Mr. Antonis I. Vakis *3rd Place*

3-DOF Model of Magnetic Storage Head Disk Interface for Use with Adhesive Contact Model with Friction

Mr. Zhijiang Ye *1st Place*

Atomic Friction at a Graphite Step Edge