

Student Poster Awards

The student poster awards include 9 cash prizes for graduate students in three categories:

- Materials Science
- Materials Processing
- Materials Characterization

and 3 cash prizes for undergraduate students as well as Honorable Mentions

Award Winners Year 2007

Sixty four posters were presented and judged at the 2007 Annual Symposium.

Graduate Awards

Materials Science

Grand Prize

Mathew Ivill, UF

"Magnetic And Magneto-Transport Properties In ZnO Films Heavily Doped With Cobalt"

Second Prize

Li-Chia Tien, UF

"Self-Catalytic Growth Of Well-Aligned ZnO Nanorods By High Pressure Assisted Pulsed Laser Deposition"

Third Prize

Luis K. Ono, UCF

"In-Situ Gas-Phase Catalytic Properties Of Size- And Shape-Selected Gold Nanoparticles"

Honorable Mention

Charlee J. Callender, UF

"Ferromagnetic Properties Of Epitaxial BaFeO₃ Films"

Pankaj Nerikar, UF

"Ab-Initio Calculations Of Defect Formation Energies In Uranium Oxide"

Rakesh K. Behera, UF

"Molecular Dynamics Simulation Of Surface Effects On Ferroelectricity In PbTiO₃ Thin Films"

Satyender Goel, UCF

"Study Of Pairwise Interactions From The First Principles For Simulations Of Nanotubes/Nanocluster Systems"

Materials Processing

Grand Prize

Ben Pletcher, UF

"Phase Coarsening Kinetics Of ?' (Al3Li) In Binary Aluminum Lithium Alloys"

Second Prize

Prakash Palanisamy, UCF

"Shape Memory and Superelastic Behavior In NiTi at Reduced Length Scales"

Third Prize

J. S. Moore, UF

"Reverse Orientation Atom Probe Sample Preparation Using Fib"

Honorable Mention

Jason Croy, UCF

"Size Dependent Study Of Meoh Decomposition Over Size-Selected Pt Nanoparticles Synthesized Via Micelle Encapsulation"

Jose A. Cunado, UCF

"Control And Stabilization Of Tin-Doped Droplet For Extreme Ultraviolet Lithography"

Anindarupa Chunder, UCF

"Controlled Drug Release From Electrospun Polyelectrolyte Fibers"

Santosh Khatri, FSEC

"Cigs2 Thin Film Solar Cells"

Sharon Pregler, UF

"Argon Beam Mediated Modification Of Nanotube-Based Structures Using Classical Molecular Dynamics"

Umamaheswara Rao Seelam, UCF

"Allotropic Transformation In Hafnium By Mechanical Milling"

Materials Characterization

Grand Prize

Subhaashree Sridharan, UCF

"Multi-Scale Instrumented Indentation Studies Of Deformation In Zr-Based Bulk Metallic Glasses"

Second Prize

Patrick W. Sadik, UF

"Examination Of Cucr1-Xmgxo2 Thin Film Delafossites Grown By Pulsed Laser Deposition"

Third Prize

Ricardo D. Torres, UF

"Photophysical Properties Of Highly Alkyl-Substituted Templated Alq3 Derivatives "

Honorable Mention

S. Tedeschi, UF

" Characterization Of High Aspect Ratio Particles In Air"

Shipeng Qiu, UCF

"In Situ Neutron Diffraction Measurements Of Internal Strain Evolution During Creep In Directionally Solidified Ni-Base Superalloys"

Preethi Mylavarapu, UCF

"Synthesis And Characterization Of Dye-Doped Silica Nanoparticles Of Various Sizes In Water-In-Oil Microemulsion"

Anna Fuller, Julien Gratier, UF

"Standoff Explosives Detection by Differential Reflectometry: Theory and Instrumentation"

Andrew P. Warren, UCF

"Phase Identification Of Dc Magnetron Sputtered Pt-Ru Alloy Thin Films By X-Ray And Electron Diffraction"

Yue Zhao, UCF

"Mechanical Properties Of Self-Assembled Nanostructural Lipid Tubules"

Undergraduate Awards

Grand Prize

Jason Myers, UF

"Diffusion Characteristics Of Gases Through Y-Shaped Carbon Nanotubes Using Molecular Dynamics Simulations"

Second Prize

Hanoy Estrada, UCF

"Synthesis Of Size Selected Gold Nanoprisms By Nanosphere Lithography"

Third Prize

Catherine N. Bewerse, UCF

"In Situ Neutron Diffraction Measurements At Stress And Temperature In Nitipd Shape Memory Alloys"

Honorable Mention

Cosima Boswell, UF

"Computational Study Of The Deposition Of SrTiO₃ Thin Films"

Christopher Ryan Fell, UF

"Computational Investigation Of The Chemical Modification Of A-Isotactic Polypropylene Through Fluorocarbon Ion Deposition"