The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Grand Prize in Computational and Experimental Materials Science to

Alamgir Kabir
from University of Central Florida

for the poster titled

“MAGNETIC PROPERTIES OF Fe AND Fe-Pt NANOPARTICLES: APPLICATION OF THE DFT-INHOMOGENEOUS-DMFT APPROACH”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium
of the
Florida Chapter of the American Vacuum Society,
and Florida Society for Microscopy

Presents a
Second Prize in Computational and Experimental
Materials Science
to
Udai Bhanu
from University of Central Florida

for the poster titled
“REDUCTION OF INPUT POWER DURING SEQUENTIAL
ELECTRICAL BREAKDOWN OF ALIGNED ARRAY OF
CARBON NANOTUBES”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a Third Prize in Computational and Experimental Materials Science to

Syed Shah
from University of Central Florida

for the poster titled

“DIFFUSION OF SMALL Ni AND Cu CLUSTERS ON Ni (111): APPLICATION OF SLKMC-II”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium
of the
Florida Chapter of the American Vacuum Society,
and Florida Society for Microscopy

Presents a
Honorable Mention in Computational and
Experimental Materials Science
to
Neha Nayyar
from University of Central Florida

for the poster titled
“TUNING PLASMON AND EXCITON EXCITATIONS IN
TRANSITION-METAL DOPED ARRAYS OF NOBLE-METAL
NANOCHAINS”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Honorable Mention in Computational and Experimental Materials Science to

Maral Aminpour
from University of Central Florida

for the poster titled

“FIRST-PRINCIPLE INVESTIGATION OF THE STABILITY AND VIBRATIONAL SPECTRUM OF MoSx NANOSTRUCTURES GROWN ON Cu(111)”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Grand Prize in Energy-Related Materials to Matthew McInnis from University of Central Florida for the poster titled “CONJUGATED POLYMER SUPRAMOLECULAR STRUCTURES ON GRAPHENE FOR ORDERED HETEROJUNCTION SOLAR CELLS” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Second Prize in Energy-Related Materials to John Mudrick from University of Florida for the poster titled “TANDEM SMALL MOLECULE ORGANIC SOLAR CELLS WITH BROAD SPECTRAL RESPONSE AND HIGH OPEN-CIRCUIT VOLTAGE” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a
Third Prize in Energy-Related Materials to
Yuyin Xi
from University of Florida

for the poster titled

“STUDY OF HYDROGEN DETECTION RESPONSE TIME WITH Pt-GATED AlGaN/GaN BASED DIODES”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Honorable Mention in Energy-Related Materials to

Narae Kang
from University of Central Florida

for the poster titled

“CARBON NANOTUBE THIN FILM TRANSISTORS USING CARBON NANOTUBE ELECTRODES”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Honorable Mention in Energy-Related Materials to Barrett Hicks from University of Florida for the poster titled “NOVEL APPROACHES TO IMPROVED TRANSPARENT CONDUCTING OXIDES” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a Honorable Mention in Energy-Related Materials to Binh Tran from University of Central Florida for the poster titled

“ADHESIVE PEG-BASED BINDER FOR AQUEOUS FABRICATION OF THICK LITHIUM-ION BATTERY ELECTRODES”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Grand Prize in Materials Processing to Deep Panjwani from University of Central Florida for the poster titled “PATTERNING OF OXIDE-HARDENED GOLDBLACK BY STANDARD PHOTOLITHOGRAPHY AND METAL LIFT-OFF” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Second Prize in Materials Processing to Janardan Nath from University of Central Florida for the poster titled “THIN-FILM, WIDE-ANGLE, DESIGN-TUNABLE, SELECTIVE ABSORBER FROM NEAR UV TO FAR INFRARED” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Third Prize in Materials Processing to

Asthya Malhotra
from University of Central Florida

for the poster titled

“NANOPARTICLES IN ELECTROSPUN POLYELECTROLYTE FIBERS”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a 
Honorable Mention in Materials Processing to
Farnood Rezaie from University of Central Florida for the poster titled
“PLASMONIC MID-IR SPECTROMETER”
March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Honorable Mention in Materials Processing to Maria Stancescu from University of Central Florida for the poster titled “PATTERNING CELLS WITH ALKYLSILANE MONOLAYERS” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Grand Prize in Materials Characterization to

Ming Wei
from University of Central Florida

for the poster titled

“MORPHOLOGICAL, STRUCTURAL, AND OPTICAL CHARACTERIZATION OF HIGH QUALITY HOMOEPITAXIAL ZnO FILMS FOR ULTRAVIOLET APPLICATION”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Second Prize in Materials Characterization to Mahdi Ahmadi from University of Central Florida for the poster titled “SYNTHESIS, CHARACTERIZATION AND CATALYTIC ACTIVITY OF Pt NANOPARTICLES SUPPORTED ON γ-Al2O3: OXIDATION STATE EFFECTS” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Third Prize in Materials Characterization to

Christopher McAleer
from University of Central Florida

for the poster titled

“A BIO-MEMS DEVICE FOR MEASURING CONTRACTILE FORCES AND ENDURANCE OF CULTURED MYOTUBES ON MICROFABRICATED CANTILEVERS”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a
Honorable Mention in Materials Characterization

to
Jeremy Tharkur
from University of Central Florida

for the poster titled
“PROBING INTRA-CELLULAR DRUG RELEASE EVENT USING ACTIVATABLE (OFF/ON) CdS:Mn/ZnS QUANTUM DOTS (QDOT): SPECTROSCOPIC STUDIES TO INVESTIGATE INTERACTIONS OF QDOTS WITH QUENCHER”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Honorable Mention in Materials Characterization to

Mikaeel Young
from University of Central Florida

for the poster titled

“SYNTHESIS AND STUDY OF COPPER LOADED SILICA NANOMATERIALS”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a

Honorable Mention in Materials Characterization to

Lu Liu
from University of Florida

for the poster titled

“THE IMPROVEMENT OF THE RELIABILITY OF AlGaN/GaN HIGH ELECTRON MOBILITY TRANSISTORS BY EMPLOYING DIFFERENT BUFFER STRUCTURES”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Honorable Mention in Materials Characterization to Evan Smith from University of Central Florida for the poster titled “PERFORMANCE ESTIMATIONS FOR A RADIANT ENERGY IMAGER USING NULL SWITCHING” March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy

Presents a
Grand Prize in Undergraduate Poster Competition to
Joseph Zuyus
from University of Central Florida

for the poster titled

“COMPOSITE GRAPHENE AEROGELS FOR HYDROGEN SENSING AND CATALYSIS”

March 4-5, 2013
The Program Committee of the 2013 Annual Joint Symposium of the Florida Chapter of the American Vacuum Society, and Florida Society for Microscopy Presents a Second Prize in Undergraduate Poster Competition to Janet Mara from University of South Florida for the poster titled “FABRICATION OF SILICA CORE SILVER SHELL NANOPARTICLE AS A SERS ACTIVE SUBSTRATE” March 4-5, 2013