

Agenda Nov 11

Time	Presenter	Presentation	
9:00 AM		Introduction by Nina Balke Director of AIF	
9:05	Jesse Jur	Textiles Characterization	NCSU
9:25		Vendor Presentation by UC Components	
9:30	Mohammad Shamsi	Ultra-soft and stretchable thermoplastic elastomer gel nonwovens	NCSU
9:40	Priyanka Ramaswamy	A Study of Dopant Incorporation in Te - doped GaAsSb Nanowires using a Combination of XPS/UPS, and C-AFM/SKPM	NCA&T
9:50		Vendor Presentation by Protochips	
9:55	Younghwan Lee	Domain textures in ferroelectric Hf _{0.5} Zr _{0.5} O ₂	NCSU
10:05	Posters	Tanjina Islam "NucS-Mediated Mutation Avoidance in Mycobacteria and its Association with Antibiotic Resistance"	UNC, NCA&T
		Kristen Popowski "Fabrication and Characterization of Red Fluorescent Protein-Labeled Nanoparticles"	NCSU
10:15		Session Ends	
1:00pm	Nadja Cech	Finding inspiration from nature: Plant-based compounds to fight disease	UNCG
1:20		Vendor Presentation by ThermoFisher	
1:25	Rabin Pokharel	Separate absorption multiplication GaAs/GaAsSb core-shell nanowire avalanche photodetector	NCA&T
1:35	Hirandeep Reddy Kuchoor	Improved density of GaAsSb Nanowires on Monolayer Graphene/SiO ₂ /Si for Near-Infrared Photodetector Application	NCA&T
1:45		Vendor Presentation by Teledyne	
1:50	Lakshmi Gayatri Chivukula	Nanostructured Surface Induced Genetic Response in Candida albicans	UNC
2:00	Posters	Anitha Jayapalan "Hybridizing Carbon dots-cobalt oxide nanoparticles with doxorubicin and ligands for selective, targeting anti-cancer effect and studying their uptake mechanism"	UNC

Agenda Nov 12

Time	Presenter	Presentation	
9:00 AM		Introduction	
9:05	Lars Kautschor	Utilizing true Dynamic CT Imaging for 3D non-destructive in situ experimentation	TESCAN
9:25		Vendor Presentation by Allied High Tech	
9:30	Huayu Tong	Controlling the Voxelized Attenuation of 3D Printed Physical Phantoms for Computed Tomography with a Single Material	Duke
9:40	Jijo Christudasjustus	Age-hardening of supersaturated nanocrystalline Al-5V alloy	NCSU
9:50		Vendor Presentation by Physical Electronics	
9:55	Chathuranga Witharamage	The investigation of corrosion behavior of insitu consolidated Al-2 at.%V alloy	NCSU
10:05	Hannah Margavio	Low Temperature Thermodynamically Favored Area Selective Deposition	NCSU
10:15	Posters	Kendall Dawkins "GaAsSb-Based Photodetector with Ag Nanowires as Transparent electrodes"	NCA&T
		Saeed Saeed "Decoupling Proton and Cation Contributions to Capacitive Charge Storage in Birnessite in Aqueous Electrolytes"	NCSU
10:25	Jacob Smith	Atomic resolution electron microscopy of solid-state phase transformations and chemical reduction	NCSU
10:35		Session Ends	
1:00	Nichole Cates & Lauren Micklow	Industrial-Scale Nanofabrication	Smart Materials Solutions
1:20		Vendor Presentation by Smart Materials Solutions	
1:25	Venkata Bhuvaneshwari Vukkum	Enhanced corrosion performance of selectively laser melted 316L stainless steel via feedstock modification	NCSU
1:35	Yao Li	Petal-shaped dislocation loop cluster structure	UT
1:45		Vendor Presentation by Pfeiffer (2 Videos)	
2:30		Award Presentations	