

Poster number	Last Name	First Name	Judging dept	Column1	Poster Title
1	Austin	Brett	BME	10:00-11:00	Multiaxial Failure Studies of Biological Soft Tissues
2	Bui Tran	William	BME	11:00-12:00	Fat-Derived FGF21 is Dispensable for the Resistance to Diet-Induced Obesity Observed in Mice Lacking OPA1 in Adipose Tissue
3	Daichi	Nakagawa	BME	3:00-4:00	Imaging marker for predicting post-operative complication in brain aneurysm treated with flow-diverting stent
4	El-Hattab	Mariam	BME	10:00-11:00	Visualizing and Quantifying Collagen Production Real-Time in an In-Vitro Model of Wound Healing and Fibrosis
5	Gerard	Sarah	BME	11:00-12:00	A Deep Learning Approach For Lung and Lobe Segmentation in CT Images
6	Guo	Zhihui	BME	9:00-10:00	Prediction of Humphrey 24-2 Visual Field Thresholds in Glaucoma Patients via Structure Analysis of Optical Coherence Tomography
7	Hajdarevic	Bakir	BME	1:00-2:00	Testing a Control Scheme for Multi-Frequency Oscillatory Ventilation
8	Halberg	Spencer	BME	2:00-3:00	The Effects of Subject Rigidity on Keratinocyte Colony Formation
9	Herrmann	Jacob	BME	10:00-11:00	Modeling Lung Tissue Interdependence and Collapse During Mechanical Ventilation
10	Kruse	Stephen	BME	12:00-1:00	Mechanisms of norepinephrine and serotonin in prevention of seizure-induced respiratory arrest
11	Martin	Russell	BME	1:00-2:00	Using zebrafish to test potential drugs for their efficacy against epileptic seizures
12	Remy	Matthew	BME	12:00-1:00	"Incorporation of MicroRNA-200c and Collagen into 3D Printed Tricalcium Phosphate Scaffolds to Promote Bone Formation"
13	Sarathy	Srivats	BME	12:00-1:00	Flow Monitoring can be Effective in a Heart-Lung Machine
14	Song	Ino	BME	1:00-2:00	Endogenous Progenitor Cell-based Temporomandibular Joint Cartilage Repair
15	Aljaafari	Haydar	CBE	10:00-11:00	Critical Thermal Shock for Eradication of Pseudomonas aeruginosa Biofilms
16	Alsaedi	Sattar	CBE	2:00-3:00	Low-loading of Pt nanoparticles on carbon foam support for highly active and stable hydrogen production
17	Alsaedi	Sattar	CBE	3:00-4:00	3-D Flow Through Electrodes for Rapid and current Efficient Electrodialysis
18	Chou	Hsien	CBE	1:00-2:00	Effects of pH and Concentration in Protein Adsorption onto Gold Nanoparticles
19	Christiansen	Megan	CBE	11:00-12:00	Comparison of PM2.5 measurements during the Lake Michigan Ozone Study 2017 (LMOS 2017)
20	Do	Anh-Vu	CBE	9:00-10:00	Combining Ultrasound and Intratumoral Administration of Doxorubicin-loaded Microspheres to Enhance Tumor Cell Killing
21	Dong	Can	CBE	9:00-10:00	of CN and CCN to Changes in Anthropogenic Emissions in the Midwestern United States
22	Givens	Brittany	CBE	1:00-2:00	Characterizing toxicity for industrial engineered nanomaterials
23	Green	Brian	CBE	3:00-4:00	MODIFYING ANISOTROPIC PROPERTIES OF OBJECTS PRINTED VIA STEREOLITHOGRAPHY
24	Hasa	Erion	CBE	11:00-12:00	of a Radical/Cationic System
25	King	Benjamin	CBE	11:00-12:00	Lung Cell Responses to Protein-Resistant pMPC-Coated Gold Nanoparticles
26	Kloepfer	Nicole	CBE	10:00-11:00	Structure
27	Knapp	Eric	CBE	12:00-1:00	Determining Parameters for Optimal Shadow Cure Polymerization
28	Koonce	Jonathan	CBE	11:00-12:00	Integrated Device for Stable Solar Water Splitting
29	Kurpius	Renae	CBE	11:00-12:00	Connecting the Dots: A Method to Determine Radiation Yield during EB Polymerization via Raman Spectroscopy

30	Lippert	Daniel	CBE	12:00-1:00	Photopolymerization Kinetics and Polymer Network Structure Impact on the Electro-Optical Properties of Polymer Stabilized Cholesteric Liquid Crystals
31	McCarthy	Kyle	CBE	2:00-3:00	Electron Beam Radiation Yield Determination: Kinetic Method
32	McKee	Austin	CBE	2:00-3:00	Plasmon Mediated Carbon Dioxide Reduction Pathways
33	Pattee	Emily	CBE	3:00-4:00	Evaluation of Atrazine Bio-degradation Kinetics by Pseudomonas sp.ADP Biofilms and Planktonic cells
34	Pradhan	Ojas	CBE	2:00-3:00	Formulation and analysis of novel dry powder antibacterial aerosols
35	Whitley	John	CBE	3:00-4:00	Improved Photopolymerization Kinetics of Vinyl Monomers in Coordinated Ionic Liquids
36	Grant	Amina	CEE	10:00-11:00	Snapshot of Lead and Copper in Iowa Drinking Water
37	Herkert	Nicholas	CEE	3:00-4:00	Emissions of Tetrachlorobiphenyls (PCBs 47, 51 and 68) from Polymer Resin on Kitchen Cabinets as a Non-Legacy Source to Residential Air
38	Jahnke	Jacob	CEE	11:00-12:00	PCB Emissions from Paint Pigments: the Effect of Chemical and Surface Properties on Volatilization
39	Robinson	Thomas	CEE	1:00-2:00	Degradation of TCE by Iron Minerals and Aquifer Materials
40	Saktrakulkla	Panithi	CEE	10:00-11:00	Development of a MRM Method to Detect OH-PCBs in Environment Samples
41	Yildirim	Enes	CEE	9:00-10:00	Comprehensive Flood Loss Assessment and Visualization System
42	Asgharzadeh Shishavan	Amir	ECE	1:00-2:00	Impact of Diffuse Shading Conditions on the Performance of Bifacial PV Modules
43	Balachandrasekaran	Arvind	ECE	3:00-4:00	Accelerated parameter mapping of the brain using structured matrix completion
44	Blicharski	Kevin	ECE	10:00-11:00	Bootstrapping Using Machine Learning to Create Training Datasets for Automatic Cerebellum Segmentation
45	Deutsch	Joshua	ECE	1:00-2:00	Mie Scattering based Analytical Model to Compute Plasmon Resonances of Metal Nanoparticles
46	Dietz	Clarissa	ECE	3:00-4:00	Sol-gel films for biosensors: process development and characterization of morphology and optical properties
47	Freund	Harrison	ECE	1:00-2:00	Green Roof Policy Urban Microsimulations in San Francisco
48	Gao	Bingtao	ECE	10:00-11:00	Electrical and optical performance optimization of nanostructured black silicon solar cells
49	Howk	Robin	ECE	11:00-12:00	Automated Identification and Shape Analysis of Chorus Elements in the Van Allen Radiation Belts
50	Hui	Xie	ECE	3:00-4:00	Multi-Atlas Transfer Segmentation from Human Brain to Minipig Brain
51	Jin	Xin	ECE	11:00-12:00	Development of a broadband visible spectrum metal-dielectric metamaterial film for solar window coating applications
52	Jirong	Yi	ECE	11:00-12:00	Separation-free super-resolution from compressed measurements: an orthonormal atomic norm minimization approach
53	Linhardt	Timothy	ECE	1:00-2:00	Comparing Modality Combinations of PET-CT Images In Cerebellum Segmentation With Deep Convolutional Neural Networks
54	Liyanage	Ganegama	ECE	9:00-10:00	Analysis of Human and Animal Soft Tissue Sarcoma in the Mid-infrared utilizing an FTIR Spectrometer
55	Lopez	Seth	ECE	2:00-3:00	Exploring Electronic Properties of Ionic Liquids to Improve Components in Solar Cells, OLEDs and Optical Sensors
56	McCarthy	Ryan	ECE	2:00-3:00	Analysis of Gas Chromatography Mass Spectrometry and Key Associations from Chicago Air Data Sets.
57	Mishra	Kumar Digvijaya	ECE	10:00-11:00	Electromagnetic Simulation of Transcranial Magnetic Stimulation
58	Mo	Yuanqiu	ECE	12:00-1:00	Robust Stability of Spreading Blocks in Aggregate Programming
59	Nadeem	Syed Ahmed	ECE	9:00-10:00	Topological leakage detection and freeze-and-grow propagation for improved CT-based airway segmentation

60	Pan	Yue	ECE	11:00-12:00	Varifolds-based Registration of Pulmonary Vessel Trees and Surfaces
61	Poddar	Sunrita	ECE	3:00-4:00	Clustering of Data in the presence of Missing Entries
62	Salino-Hugg	Michael	ECE	2:00-3:00	Effects of High Q Resonant Coils in MIMO Wireless Power Transfer Systems
63	Sermet	Yusuf	ECE	12:00-1:00	FOR EXTREME WEATHER AND FLOOD RESILIENCE USING ARTIFICIAL INTELLIGENCE: FLOOD EXPERT
64	Silva	Aaron	ECE	12:00-1:00	Enhanced Absorption of Nano-Textured Silicon through Silver Nanoparticle Decoration
65	Tosado	Joel	ECE	9:00-10:00	CLUSTERING OF LARGELY RIGHT-CENSORED OROPHARYNGEAL HEAD AND NECK PATIENTS TO IMPROVE PROGNOSIS
66	Walhof	Alexander	ECE	10:00-11:00	InAs Nanowires for Infrared Optics: Selective Area Epitaxy Growth and Capacitance-Voltage Devices
67	Wenqi	Duan	ECE	1:00-2:00	High Sensitivity Silicon Nanowire Biosensor for Estrogen Detection in Water Streams
68	Zdilar	Luka	ECE	9:00-10:00	Evaluating the effect of right censored end-point transformation for radiomic feature selection of oropharyngeal cancer patient data
69	Hu	Renjie	IE	11:00-12:00	ELM-SOM: A Continuous Self-Organizing Map for Visualization
70	Momenipour	Amirmasoud	IE	1:00-2:00	of tactile stimuli: Implications for design of audio-tactile medical warning systems
71	Sun	Zhiyu	IE	10:00-11:00	Wall Stress Estimation in Cerebral Aneurysm -Geometric Feature Learning via ZernikeConvolutional Neural Networks
72	Salehi	Hamed	IE	2:00-3:00	Hazards Mental Models and The issue of Trust
73	Cai	Mingyu	ME	11:00-12:00	Autonomous robotic control under linear temporal logic
74	Chunrui	Zou	ME	10:00-11:00	Characteristics of Airflow and Particle Deposition in COPD Current Smokers
75	Dooley	Gregory	ME	10:00-11:00	Effects of Ships Motions and Atmospheric Boundary Layer on Ship Aerodynamics
76	Feldmeier	Christofer	ME	10:00-11:00	Wheel Profile Optimization to Mitigate Wear and Rolling Contact Fatigue for Railroad Vehicles
77	Krebill	Austin	ME	1:00-2:00	Experimental Investigation of Ship Airwake Aerodynamics
78	Samanta	Avik	ME	11:00-12:00	Molecular dynamics simulation of diffusion bonding during ultrasonic welding of dissimilar materials
79	Wabick	Kevin	ME	9:00-10:00	Characterization of Vorticity Transport in the Leading Edge Vortex During a Roll Maneuver
80	Wang	Qinghua	ME	12:00-1:00	Enhancement of surface functionality using laser nanostructuring of engineering metal alloy
81	Rendleman	Michael	CBCB	11:00-12:00	Machine Learning Models for Cancer Prediction: Clinical and Genomic Data
82	Tollefson	Mallory	CBCB	1:00-2:00	GPU Accelerated Protein Structure Optimization and Its Application to Genes Associated with Hearing Loss
83	Niedert	Elizabeth	CCAD	12:00-1:00	Mechanical Testing of Neurovascular Stents
84	She	Baike	CCAD	1:00-2:00	Controllability Ensured Leader Group Selection on Signed Multi-Agent Networks
85	Fei	Fan	CCAD	9:00-10:00	Multi-scale Additive Manufacturing: A 3D-printing Method based on Digital Light Processing
86	He	Yusen	CCAD	10:00-11:00	BASEDSTEREOLITHOGRAPHY PROCESS VIA CONVOLUTIONAL ENCODER-DECODER NETWORKS
87	Doak	Austin	CGRER	10:00-11:00	Investigating Pollution around Lake Michigan using Continuous Emissions Monitoring Systems
88	Janecek	Nathan	CGRER	10:00-11:00	Experimental Characterization and Hygroscopicity Determination of Secondary Aerosol from D5 Cyclic Siloxane Oxidation
89	Bappy	Mehedi Hasan IIHR		2:00-3:00	Modeling Cavitation with a Probabilistic Boltzmann Transport Equation Approach

90	Berdon	Randall	IIHR	3:00-4:00	Characterization of the initial LEV for a maneuvering wing
91	Griffith	Nichole	IIHR	10:00-11:00	SaferTrek: System Development for Farm Vehicle Road Safety Study
92	Jian	Teng	IIHR	1:00-2:00	Investigation of the relationship between the wind turbine operating conditions and bat fatality
93	Kim	Dongyoung	IIHR	9:00-10:00	An investigation on boundary layer transition models for naval hydrodynamics
94	Xu	Haowen	IIHR	11:00-12:00	Sedimentation Mitigation at Multi-box Culverts
95	Yagin	Kim	IIHR	11:00-12:00	CFD Simulation of a Generic Submarine operating near the surface
96	Yuan	Ben	IIHR	10:00-11:00	Modeling Bubble Entrainment and Transport using Hybrid RANS/LES Methods
97	Biswas	Sampurna	IIBI	12:00-1:00	Model based deep learning in free breathing, ungated, cardiac MRI recovery
98	Miller	John	IIBI	9:00-10:00	neuropathy using retinal layer shape and regional volume features in spectral-domain optical coherence tomography
99	Shao	Wei	IIBI	2:00-3:00	Sensitivity Analysis of Jacobian Determinant Used in Treatment Planning for Lung Cancer
100	Ulrich	Ethan	IIBI	10:00-11:00	Biomarker Discovery for Head and Neck Cancer using Positron Emission Tomography.
101	Uthoff	Johanna	IIBI	12:00-1:00	High Performance Lung Cancer Computer-Aided Diagnosis with Optimized Perinodular Parenchyma Features
102	Chenoweth	James	Kick-Start	3:00-4:00	Minimizing Radiation during Gastrojejunal Tube Placement
103	Dahms	Kelsi	Kick-Start	2:00-3:00	A method to increase the number of individuals benefiting from proper use of sun protection thus lowering the frequency of sun damage to their skin
104	Hsiao	Nicholas	Kick-Start	3:00-4:00	Investigating Methods for Acoustic Fire Suppression
105	Krogh	Stephanie	Kick-Start	2:00-3:00	Recreating real time weather conditions on a physical 3D model
106	Larraga Martinez	Maria Fernand	Kick-Start	2:00-3:00	What's Behind the Pink Ribbon: Tackling Truncal Lymphedema
107	Marting	Caleb	Kick-Start	3:00-4:00	Designing and Fabricating a Capable Robot Pianist
108	Ponomar	Dylan	Kick-Start	2:00-3:00	Stable Eyes - Handheld Camera Stabilizer for University of Iowa Film Students
109	Rashid	Tom	Kick-Start	3:00-4:00	The Talon Surgical Retractor
110	Hoehne	Justin	Kick-Start	3:00-4:00	IOT Irrigation Control
111	Williams	Bram	Kick-Start	3:00-4:00	TSAT - Terrestrial Satellite Acquisition and Tracking