Poster			-	Judging	
#	Time	Last Name	First Name	Category	Poster Title Abnormal Airway Growth In Cystic Fibrosis
1	11:00-12:00	Adam	Ryan	BME	Piglets
					Nanoparticles and Drug Release using
0	40.00.44.00	Describer		DME	Ultrasonic Waves: novel approach to drug
2	10:00-11:00	Beauchene	Madeline	BME	delivery Human Engineered Skin as an In Vitro Model
3	11:00-12:00	Conlan	Henry	BME	of Wound Healing
					Advanced Physics-Based Models of Cancer
4	11:00-12:00	Corrigan	Rae Ann	BME	Therapeutics Perturbation of Fibrin Gels Seeded with
					Fibroblast Cell Aggregates using a Linearly
5	9:00-10:00	EI-Hattab	Mariam	BME	Actuated Acupuncture Needle
					Convolutional Neural Networks for Pulmonary
6	11:00-12:00	Gerard	Sarah	BME	Fissure Detection and Segmentation in Computed Tomography Datasets
0	11.00-12.00	Cerard	Garan	DIVIL	A Functional Model of Cell Migration on a
7	1:00-2:00	Halberg	Spencer	BME	Dynamic Neo-Hookean Substrate
					Comparison of Image Registration Direction
8	3:00-4:00	Keil	Anna	BME	on Pulmonary 4DCT Datasets Response of Epithelial Thyroid Cells to
9	1:00-2:00	Mendenhall	Alyssa	BME	Vibrational Stimuli
					A Combined Approach of Traction Force
					Microscopy (TFM) and Magnetic Tweezers
					(MT) to Study the Structure of Keratin Intermediate Filament-Desmosome-
					Hemidesmosome Network in Human
10	2:00-3:00	Moghram	Waddah	BME	Epidermal Keratinocytes
					Nanoscale Surface Modification Through
11	1:00-2:00	Muckenhirn	Logan	BME	"Click Chemistry" and Its Effect on Biofilm Formation
					Accelerating Computational Protein Design
12	1:00-2:00	O'Connell	Claire	BME	via Advanced Thermodynamic Paths
13	10:00-11:00	Rendleman	Michael	BME	Developing Machine Learning Tools for Cancer Prediction from Genomic Data
10	10.00 11.00		Wildhad	DIVIL	Optimizing the photopolymerization
					parameters of high-resolution, 3D
14	2:00-3:00	Thompson	Jessica	BME	biodegradable tissue scaffolds
15	9:00-10:00	Algharrawi	Khalid	CBE	Production of Theobromine from Coffee Waste
					Effect of Heat Shock on Growth Rate of
16	11:00-12:00	Aljaafari	Haydar	CBE	Pseudomonas aeruginosa Biofilms
17	3:00-4:00	Alsaedi	Abdulsattar	CBE	Improved electrodialysis by using complex 3- D electrode architecture
17	0.00 4.00		/ ioduloutur		Carbon Capture and Sequestration
18	10:00-11:00	Bartley	Alex	CBE	Technology for the State of Iowa
10	0.00 10.00	Ross	Alexandra	CBE	Analysis of the Protein Effects on
19	9:00-10:00	Bess	Alexandra	CBE	Nanoparticle-Cell Association Integrated Lab-On-A-Chip Life Support
20	3:00-4:00	Countryman	Alec	CBE	Device for Human Space Missions
					Determination of Sugar Composition and
21	1:00-2:00	Delcau	Michael	CBE	Distribution in Pseudomonas sp. ADP by Fluorescent Lectin Binding Analysis
21	1.00-2.00	Deleau	INICIACI		Using Ultrasound to Enhance Tumor Cell
					Killing by anti-PD1 and Doxorubicin-loaded
22	2:00-3:00	Do	Anh-Vu	CBE	Particles
23	9:00-10:00	Ford	Chad	CBE	Ethanol: Fuel of the future

					Shining a Light on the Irradiance and
		0.1		0.55	Wavelength Properties of Light Emitting
24	11:00-12:00	Giles	Katherine	CBE	Diodes in Dental Applications
					The Effect of Solution Properties on Protein
25	10:00-11:00	Givens	Brittany	CBE	Corona Formation and Nano-Bio Interactions
26	10:00-11:00	Green	Brian	CBE	Improving 3D Photocured Systems
					Nano/Microstructured Materials Obtained
					Using Photopolymerization-Induced Phase
27	10:00-11:00	Hasa	Erion	CBE	Separation (PhIPS)
					Cationic Photopolymerization of Epoxides and
					Oxetanes: Effect of Secondary Functional
28	9:00-10:00	Kaalberg	Sara	CBE	Groups on Kinetics and Viscosity
					Copper Oxide Nanoparticle Toxicity in Acute
29	11:00-12:00	King	Benjamin	CBE	Lung Cell Exposure
		Ŭ Ŭ	,		A Recipe for Success: Correlating Monomer
					Chemistry to Dose Rate Effects in Electron
30	10:00-11:00	Kloepfer	Nicole	CBE	Beam Polymerization
		1			Evaluating the absorption spectra of cationic
31	1:00-2:00	Knapp	Eric	CBE	photoinitiators
32	10:00-11:00	Koonce	Jonathan	CBE	Hydrogen as Fuel for the Future
52	10.00-11.00	Roonee	Jonathan		Curing Dose Rate Effects: Predicting Polymer
33	1:00-2:00	Kurpius	Renae	CBE	Properties in Electron Beam Polymerization
33	2:00-3:00		Braden	CBE	
34	2.00-3.00	Leigh	Diauen		Engineered Zwitterion
					Preliminary Analysis of the Diurnal Variation
25	0.00 40.00	Lawrenteen	F lingh ath		of Aerosol Optical Depth during the KORUS-
35	9:00-10:00	Lennartson	Elizabeth	CBE	AQ Campaign
			_	0.05	Opportunities and Barriers of Electric Vehicles
36	2:00-3:00	Lewis	Devyn	CBE	in Iowa
					Improving the Estimates of Particulate Matter
				0.55	Impact on Human Health through Remote
37	10:00-11:00	Mat Desa	Wan	CBE	Sensing
38	3:00-4:00	Mat Desa	Wan	CBE	UI Nuclear Power Plant Installation
39	2:00-3:00	Mattingly	Taylor	CBE	Team Solar
					Electrochemical Reduction of CO2 into
40	9:00-10:00	McKee	Austin	CBE	Usable Chemicals and Fuels
					Improved Toughness in Photopolymerized
41	9:00-10:00	McLaughlin	Jacob	CBE	Films via RAFT Modification
					The Effect of Cyanuric Acid on the Expression
					of Atrazine-degrading Genes in
42	2:00-3:00	Pattee	Emily	CBE	Pseudomonas sp. ADP
					Development and application of electrospun
					nanofiber mats as passive sampler media for
					hydrophilic and hydrophobic organic
43	11:00-12:00	Qian	Jiajie	CBE	compounds
					Acid Stable Bismuth Vanadate for Photo
44	10:00-11:00	Rassoolkhani	Alan	CBE	Electrochemical Chlorine production
					Combined Treatment of Heat and Antibiotic to
					Mitigate Pseudomonas Aeruginosa Biofilm
45	12:00-1:00	Ricker	Erica	CBE	Implant Infections
					Recovery Storage Unit for The Seamans
46	2:00-3:00	Seibt	Michael	CBE	Center
47	2:00-3:00	Shamsul Akmal	Zubair	CBE	UI Wind Power Installation
					Modeling the Climatic Effects of Black Carbon
48	2:00-3:00	Sobhani	Negin	CBE	and Arctic Snow and Ice
			Ŭ		Economics-Informed Discovery of Solar
49	1:00-2:00	Weis	Adam	CBE	Energy Conversion Systems
					Outreach and Environmental Education about
50	1:00-2:00	Wersinger	Kyle	CBE	Air Pollution
1 30 4				000	

					Porque Aluminum Ovide: Templetes for High
					Porous Aluminum Oxide: Templates for High Throughput Production of Ordered Metallic
51	1:00-2:00	Young	Graham	CBE	and Semiconducting Nanowires
	1.00 2.00	Tourig	Granam	OBL	Low Iridium Content Transparent
E4 E	1.00 0.00	Kaanaa	lanathan	CBE	•
51.5	1:00- 2:00	Koonce	Jonathan	CBE	Electrocatalyst for Oxygen Evolution Reaction The impact of freshwater mussels on
					anaerobic ammonium oxidizers and other
					nitrogen-cycle bacteria in upper Mississippi
52	3:00-4:00	Black	Ellen	CEE	river sediment
02	0.00 1.00	Diddit			Polychlorinated Biphenyl Biodegraders in a
53	2:00-3:00	Ewald	Jessica	CEE	Altavista Lagoon
					Calibration and Evaluation of PUF-PAS
					Sampling Rates across the Global
					Atmospheric Passive Sampling (GAPS)
54	11:00-12:00	Herkert	Nicholas	CEE	Network
					Is Paint a Significant Source of PCBs to
55	1:00-2:00	Jahnke	Jacob	CEE	Indoor Air?
					Treating Ammonia in Small Town Iowa
50				055	Wastewater Systems: A Case Study on a
56	2:00-3:00	Mattson	Rebecca	CEE	Submerged Attached Growth Reactor
					Flood Emergency Decision Support System
57	11:00-12:00	Yildirim	Enes	CEE	and Loss Estimation on the Web using HAZUS
57	11.00-12.00	TIQITITI	Elles	CEE	The Effect of PV System Size and Installation
			Asgharzadeh		Parameters on the Performance of Bifacial
58	10:00-11:00	Amir	Shishavan	ECE	Arrays
00	10.00 11.00	7	Chionavan		Convex recovery of continuous domain
					piecewise constant images from non-uniform
59	12:00-1:00	Biswas	Sampurna	ECE	Fourier samples
			•		Phaseless Super-Resolution In The
60	11:00-12:00	Cho	Myung	ECE	Continuous Domain
					Improved Efficiency of Silicon Solar Cells
61	2:00-3:00	Davidson	Lauren	ECE	utilizing Sputtered Silicon Nitride Films
		_			A Novel Approach to the Development of a
62	2:00-3:00	Duan	Wenqi	ECE	Highly Sensitive Silicon Nanowire Biosensor
					System Development for Roadway Safety
63	3:00-4:00	Finley	Matthew	ECE	Study
64	2.00 2.00	Hoguo	K A S M	FOF	Copper Catalyzed Etched Nanoporous Black
64	2:00-3:00	Haque	Ehteshamul	ECE	Silicon for Efficient Solar Cells
65	10:00-11:00	Jin	Xin	ECE	Spectrally-selective solar window coatings to improve energy efficiency
05	10.00-11.00				Fast Demand Response with Datacenter
66	10:00-11:00	McClurg	Josiah	ECE	Loads
	10.00 11.00	mooning			Robustness of the Adaptive Bellman-Ford
67	1:00-2:00	Мо	Yuangiu	ECE	Algorithm
					An iterative method for airway segmentation
68	9:00-10:00	Nadeem	Syed Ahmed	ECE	using multiscale leakage detection
					Clustering of data in the presence of missing
69	1:00-2:00	Poddar	Sunrita	ECE	entries
					A Flexible Electronic Flash for Ophthalmology
70	1:00-2:00	Salino-Hugg	Michael	ECE	Research
					E-beam lithography: Nanohole patterning and
71	3:00-4:00	Sink	Joseph	ECE	InAs nanowire-based device fabrication
72	11:00-12:00	Snyder	Adam	ECE	Cardiac Catheter Control Using Actuator Wire
70	1 00 0 00		71.	505	Human Femur Active Shape Model From Hip
73	1:00-2:00	Xiaoliu	Zhang	ECE	MRI
74	2.00 2.00	Formanilanur	Mohdi	NAE	Computational Fluid Dynamics Study of the
74	2:00-3:00	Esmaeilpour	Mehdi	ME	Dead Water Problem

97	10:00-11:00	Drake	Chad	IIHR	nitrate removal from a large constructed wetland
					Modeling and measurements to estimate
96	10:00-11:00	Boesen	Aaron	IIHR	Lake Michigan: Chicago a Source of Airborne PCBs
					Air-Water Exchange of PCBs in Southern
95	11:00-12:00	Berdon	Randall	IIHR	Rolling Wings At High Angles of Attack
94	9:00-10:00	Nathan	Janechek	CGRER	Experimental Characterization of Secondary Aerosol from D5 Cyclic Siloxane Oxidation
93	9:00-10:00	Dong	Can	CGRER	of Ultrafine Particle Size Distributions, Nucleation, and Particle Growth in the Central US
92	10:00-11:00	Abdi-Oskouei	Maryam	CGRER	from Natural Gas Operation Physical and Model-Based Characterization
00	10,00 11,00	Abdi Oskowi	Monitor	00050	Understanding Methane and VOC Emissions
91	2:00-3:00	Schutz	Lauren	CCAD	Analysis and Comparison of the Plie to Functional Dance Movement
90	11:00-12:00	Walls	Daniel	CBCB	AudioGene: Predicting Hearing Loss Genotypes from Phenotypes to Guide Genetic Screening
89	10:00-11:00	Tollefson	Mallory	CBCB	Evaluating Genetic Variants of Unknown Significance Using Protein Thermodynamic Simulations in the Context of Non-Syndromic Hearing Loss.
88	11:00-12:00	Tessmann	Jonathon	CBCB	Genomic Analysis for Identifying Mutations in Neuroendocrine Tumors
87	1:00-2:00	Nishimura	Jacob	CBCB	The International Clubfoot Registry Database
86	11:00-12:00	LuCore	Stephen	СВСВ	Asymptotically optimal and intrinsic scaling constant-pH simulations with physically rigorous sampling and a polarizable multipolar potential
84 85	10:00-11:00 Withdrawn	Brown	Bartley	CBCB	Tumors
					A Pipeline for RNAseq-Based Differential Expression Analysis of Neuroendocrine
82 83	11:00-12:00 2:00-3:00	Wang Weger	Qinghua Nathaniel	ME ME	Mechanically Enhanced Surface Gasification and Combustion of Miscanthus
					Nanosecond Laser Shock Processing of Steel for Superhydrophobic, High Absorption and
81	1:00-2:00	Sun	Zhiyu	IE	Learning the point-wise correspondence metric via Siamese deep neural networks
80	11:00-12:00	Samanta	Avik	ME	Friction Stir Blind Riveting using a Cellular Automaton Method Deep Spectral Descriptors
79	11:00-12:00	Rojas-Murillo	Salvador	IE	In Real and Virtual Environments Simulations of Microstructure Evolution during
					Identification of Object Features - Edges, Landmarks and Texture - That Visually Guide an Assembly Process
78	10:00-11:00	Heiderscheit	Tim	ME	Machining of CFRP
77	3:00-4:00	Не	Yusen	IE	Modeling and performance evaluation of wind turbines Experimental Study of Single-Pass Laser
76	3:00-4:00	He	Li	IE	Additive Manufacturing of Support-free Ceramic Components
75	9:00-10:00	Feldmeier	Chris	ME	Dynamics Simulation
					Modeling of Wheel and Rail Profile Wear on Small Radius Curved Track in Vehicle

98	9:00-10:00	Haghighi	Babak	IIHR	Multiscale Imaging-Based Clusters in Current Smokers of the COPD (SPIROMICS)
					Soil Moisture Dynamics Assessment in
99	3:00-4:00	Jadidoleslam	Navid	IIHR	Different Scales. Classification of streamflow and flood
100	12:00-1:00	Perez	Gabriel	IIHR	conditions at ungauged sites for the State of lowa
101	10:00-11:00	Sermet	Yusuf	IIHR	Knowledge Discovery, Integration and Communication for Extreme Weather and Flood Resilience Using Artificial Intelligence: Flood Ai Alpha
102	10:00-11:00	Volpi	Silvia	IIHR	Towards the High-fidelity Multidisciplinary Design Optimization of a 3D Composite Material Hydrofoil
103	1:00-2:00	Balachandrase karan	Arvind	IIBI	Novel Structured Low rank algorithm for accelerated parameter mapping
					Machine learning in a graph-based framework
104	12:00-1:00	Guo	Zhihui	IIBI	for subcortical segmentation
105	11:00-12:00	Hammond	Emily	IIBI	Development of A Lung Cancer Pig Model: Non-Invasive Characterization with Computed Tomography
106	2:00-3:00	Pan	Yue	IIBI	Varifold-Based Registration of Lung Vessel and Surface.
					Estimation of pulmonary function by total
107	2:00-3:00	Shao	Wei	IIBI	variation of regional lung volume Spectral-Domain Optical Coherence
108	10:00-11:00	Su	Qingyang	IIBI	Tomography Optic-Nerve-Head and Macular En-Face Image Registration in Cases of Papilledema
109	2:00-3:00	Uthoff	Johanna	IIBI	Reduction and Selection of Uncorrelated Features for Lung Cancer Computer Aided Diagnosis
110	11:00-12:00	Xie	Hui	IIBI	An Innovative Four-Neighbour Stepping Interpolation
	11100 12:00	740		Creative	
111	10:00-11:00	Austin	Brett	Kick-Start Creative	T4: Table Top Tension Tester
112	9:00-10:00	Butler	Sy	Kick-Start	The Bandit: A DIY Quadcopter
					Novel antibiotic formulations for eradication of biofilms of a Pseudomonas aeruginosa
113	2:00-3:00	Gharse	Sachin	Other	clinical isolate
114	11:00-12:00	Gowdampally	Bharath Kumar	Other	Particle - Lung Surfactant Interactions Depend on Particle Surface Properties
115	2:00-3:00	Hagan	Liam	Creative Kick-Start	Smart Mirror
				Creative	Iowa Marine Autonomous Racing Club
116	3:00-4:00	Ismail	Abdualrahman	Kick-Start Creative	(IMARC) Hand Garment to Provide Additional Grip
117	11:00-12:00	Moore	James	Kick-Start Creative	Assistance in Peripheral Neuropathy Patients. Creative Kick-Start Project: Custom CNC
118	3:00-4:00	Regan	David	Kick-Start	Machine/3d Printer Build
119	12:00-1:00	Remy	Matthew	Creative Kick-Start	Improving AAA Surgery Utilizing 3D Modeling
120	1:00-2:00	Truka	Alicia	Creative Kick-Start	The Little Jonny That Could: Providing Independence for Congenital Arm Amputees
121	9:00-10:00	Watkins	Michael	Creative Kick-Start	Precision Landing System for Unmanned Aircraft
122	9:00-10:00	Zarei	Kasra	Creative Kick-Start	Buccal Drug Delivery System