

IEEE SoutheastCon 2023 Virtual Presentation Schedule

**Day 1**

**April 1<sup>st</sup>, 2023**

**Session 1.1 (9:00 AM EST – 10:30 AM EST)**

**Chair: Pankaj Bhowmik**

Manuscript ID	Title	Track
1570870957	Multi-Objective and Finite Element Based Optimization of High-Frequency Solid State Transformer for Electric Vehicle Applications	Track 1
1570874676	Application of Equivalent Negative Sequence Current Calculations in Transmission Planning Studies	Track 1
1570874802	A Synergistic Learning Based Electric Vehicle Charging Demand Prediction Scheme	Track 1
1570874891	Implementation of Directional Incremental-Quantity Relay in Simulink	Track 1
1570875676	Carrier Generation Ability of CNTs to Harvest Maximum Energy from Solar	Track 1
1570875685	Finite Control Set Model Predictive Control for Compensating Harmonics and Reactive Power	Track 1

**Session 1.2 (10:45 AM EST – 12:00 PM EST)**

**Chair: Michael Ramalho**

Manuscript ID	Title	Track
1570851933	Towards an Integrated Framework for Managing Software-Defined Networking Models	Track 2
1570866548	Robustness Study of Polarization-Insensitive Spatial-Filtering Algorithm	Track 2
1570869937	RF Wireless Chatting	Track 2
1570880357	A Systematic Study to Determine 5G Baseline Performance for Scientific Computing	Track 2

**Session 1.3 (12:15 PM EST – 2:30 PM EST)**

**Chair: Maneck Master**

Manuscript ID	Title	Track
1570853737	Symmetric Overloaded Minimal Instruction Set Architecture (SOMA)	Track 3
1570872785	Analyses of Automated Malicious Internet Traffic Using Open-Source Honeypots	Track 3
1570873659	Fingerprinting Bots in a Hybrid Honeypot	Track 3
1570875746	Security Analysis of Cardiovascular Implantable Electronic Device (CIED) Using a Threat Model-Based Approach	Track 3
1570875747	Security Analysis of a Smart City Traffic Control System Using a Threat Model-Based Approach	Track 3
1570876311	Bipedal Navigation Planning over Rough Terrain Using Traversability Models	Track 3
1570880358	A Collection of Datasets and Simulation Frameworks for Industrial Control System Research	Track 3
1570875336	Two-Tone Sine Wave Test Signal Measurements for Signal-To-Quantization Noise Ratio and Third Order Intermodulation Distortion	Track 4
1570873277	A Skin Sensor for Epileptic Seizure Detection and Notification Applications	Track 5

**Day 2**  
**April 2<sup>nd</sup>, 2023**

**Session 2.1 (9:00AM EST – 10:30 AM EST)**

**Chair Giji Skaria**

Manuscript ID	Title	Track
1570858604	PredNet $\oplus$ GAN: A Higher-Level Induction of Predictive Coding into Adversarial Setting Leading to a Semi/Pseudo-GAN Perspective at a Lower Level	Track 6
1570861402	Improved Image Recognition for AI Based Various Scientific Applications	Track 6
1570861647	Using Large Pre-Trained Language Model to Assist FDA in Premarket Medical Device Classification	Track 6
1570862318	PINN-IT: A Python Framework for Automatically Creating Neural Network Based Solvers	Track 6
1570863182	Phishing Web Pages Detection Using Web Scraping	Track 6
1570873012	CO2 Emission Forecasting for Living Standards in Smart Cities	Track 6

**Session 2.2 (10:45 AM EST – 12:15 PM EST)**

**Chair: Masood Ejaz**

Manuscript ID	Title	Track
1570874889	A Multi-Layer Perceptron Neural Network for Fault Type Identification for Transmission Lines	Track 6
1570875074	Comparative Study of Decision Tree, AdaBoost, Random Forest, Naïve Bayes, KNN, and Perceptron for Heart Disease Prediction	Track 6
1570875553	Integration of EEG and Eye Tracking Technology: A Systematic Review	Track 6
1570875575	Water Quality Predictions for Urban Streams Using Machine Learning	Track 6
1570875614	Neural Network Modeling of the Transient Heating of Icy Mountains Due to Foehn Winds	Track 6
1570875703	A Local Machine Learning Approach for Fingerprint-Based Indoor Localization	Track 6

**Session 2.3 (1:30 PM EST – 3:00 PM EST)**

**Chair: Sahar Hooshmand**

Manuscript ID	Title	Track
1570875708	Non-Invasive Spectral-Based Swarm Detection	Track 6
1570875730	Prediction of Diabetes at Early Stage Using Interpretable Machine Learning	Track 6
1570875741	Video Normalization in Identifying Fake Videos Using a Long Short-Term Memory Model	Track 6
1570876012	Intuitive Smart Creative Designing Using Computer Vision	Track 6
1570880341	Ethernet Device Authentication via Physical Layer Fingerprinting	Track 6
1570880430	UnIC-Net: Uncertainty Aware Involution-Convolution Hybrid Network for Two-Level Disease Identification	Track 6

**Session 2.4 (3:00 PM EST – 4:15 PM EST)**

**Chair: Arup Ghosh**

Manuscript ID	Title	Track
1570867808	Autonomous Object Tracking Drone	Track 7
1570875080	Rapid Analysis of Mechanisms Incorporating Compliant and Soft Links in MATLAB Simscape	Track 7
1570875162	Design and Analysis of a Pediatric Prosthetic Knee with Compliant Hinges	Track 7
1570877041	Two New Open Source Devices for Project-Based Learning in Controls	Track 7
1570880067	Fog Assisted Tiger Alarming Framework for Saving Endangered Wild Life	Track 7

**Session 2.5 (4:15 PM EST – 5:30 PM EST)**

**Chair: Ali Dogru**

Manuscript ID	Title	Track
1570880122	Portable Acoustic and Bioimpedance Sensing System to Support Vocal Pathology Assessments	Track 7
1570880350	AppMAIS Simple Data Visualization App	Track 7
1570880425	Towards A Map-Based Web Application for Prescribed Fire Simulation	Track 7
1570875861	Online Threats vs. Mitigation Efforts: Keeping Children Safe in the Era of Online Learning	Track 7