

The 29th Annual Newfoundland Electrical and Computer Engineering Conference (NECEC)

November 19, 2020
at Holiday Inn St. John's, NL
180 Portugal Cove Rd
St. John's, NL

Presentation ID	Presenter	Presentation Title
1	Asif ur Rehman	Design and analysis of a rooftop PV system for an apartment building in Newfoundland
2	Zijun Gong	Convolutional Neural Network-Assisted Object Detection In Underwater Environment
3	Usman Ashraf	Design and analysis of a solar water pumping system for two hectares farm in India
5	Murilo T Silva	Effects of Electromagnetically-large Waves on the Second-Order Radar Cross Section of the Ocean Surface in the HF Band
6	Xinwei Chen	An Algorithm for Sea Surface Wind Direction Estimation Using Rain-contaminated Marine Radar Data
7	Pedram Ghasemigoudarzi	Simulating and Testing a Primary Model of the Killick-1 GNSS-R Array Antenna
8	Mohsen Eslami Nazari	Electromagnetic Scattering from Layered Ordinary and Plasmonic Media: Linearly Polarized Wave Incidence
9	Uday Khadodra	Fault Analysis of Over Current Relay And Definite-Time Over Current Relay Using MATLAB/Simulink
10	Zhiding Yang	The rainfall intensity classification of X-band marine radar images based on random forest method
11	Benjamin R Dowden	Right Quaternion Parameterization for CubeSat Attitude Determination.
12	Dominic Jeyamanoharan	Analysis and Simulation of a Class-E and Class-E Push-Pull Inverter at 27.12 MHz
13	Hangyu Lyu	Review of the RADARSAT Constellation Mission and Its Applications
14	Trung Tien Tran	A reinforcement learning approach to route selection for ice-class vessels
15	Yuhui Song	Beamspace Channel Estimation for Wideband Millimeter Wave MIMO Systems
16	XIAOLIN PANG	The Analysis of Co-Channel Issue in DLA-based Millimeter Wave Communications for Highway Application
19	Raghul suraj Sundararajan	Design of a solar parking lot for charging 20 Electric vehicles in St. John's, NL
21	Andrew Peddle	Design and Analysis of Variable Load Class E and EF Inverters at Multiple Megahertz Frequencies and Power Levels
22	Masoud Mahdianpari	Big Data for Big Country: Producing the Canadian Wetland Inventory Map Using Satellite Imagery
23	Zhihao Dong	Local network immunization strategy in scale-free networks
24	Hashem Elsaraf	Design of a 3d printed non-linear vibration energy harvester using electromagnetic induction.
26	Ethan A Fettes	Classification of Sea Ice through the Application of Machine learning
27	Sabir Manzoor	IoT based Renewable Energy Management and monitoring system for the Frist Passive House in Newfoundland
28	Sidra Anwar	PRIVACY-ORIENTED ANALYSIS OF MOBILE CONTACT TRACING PROTOCOLS & MECHANISMS
29	Jonathan C Winsor	Current Status of the Killick-1 CubeSat Project
30	Joe Craig	Surface Wave Radar Research in Placentia Bay
31	Malloy L Maddigan	Marine Mammal Categorization using Neural Networks
32	Ravindu G Thalagala	Numerical validation of a new consistent right SE2(3) two key-frame VINS algorithm
33	Rachel Tobin	Image Processing Techniques for a Managed Ice Field in a Model Test Basin
34	Narmada M Balasooriya	Comparison of Deeplabv3 and PSPnet deep neural networks for in-situ sea ice image semantic segmentation
35	Sachithra H Atapattu	Quadcopter Landing Zone Identification Using Point Cloud Processing
37	Raghul suraj Sundararajan	Dynamic simulation of an isolated solar powered charging facility for 20 electric vehicles in St. John's, Newfoundland
38	Zizui CHEN	Performance improvements of neural networks on image classification tasks with depth image
39	Chengsi Zhang	Feature vector for multiple perspective independent point cloud registration
40	Chengsi Zhang	Toward synchronized, interference-free, distributed 3D multi-sensor real-time image capture
41	Kusal B Tennakoon	Comparison of Feature Descriptors for Place Recognition