Poster Session – Exhibit Hall

1. An approach to improve atmospheric correction for Radiative transfer derived bathymetry for North American nearshore waters
   Christopher Olayinka Ilori, Simon Fraser University
   Anders Knudby

2. Quantitative Analysis of Habitat Selection Preference for Schizothorax fishes in Brahmaputra by Remote Sensing
   Wang Lin, Resources and Eco-environmental Research Center, Chinese Academy of Fishery Science
   Ding Fang, Caokun, Li Xiao Shu, Yang Li Lai, Yang Wen Bo, Li Ying Ren, Liu Hai Ping, and Ma Bo

3. Deforestation and rainforest fires in an agricultural frontier area in Eastern Amazon, Brazil
   Cesar Teixeira Donato de Araujo, Minas Gerais State Forestry Institute
   Eraldo Aparecido Trondoli Matricardi and Livia de Freitas Navegantes-Alves

4. Deforestation relationship between agriculture activities and livestock in a palm oil expansion area in Brazilian Amazon
   Cesar Teixeira Donato de Araujo, Minas Gerais State Forestry Institute

5. Classification of mangrove species using combined WordView-3 and LiDAR data in Mai Po Nature Reserve, Hong Kong
   Qiaosi Li, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong, China
   Frankie Kwan Kit Wong and Tung Fung

6. Accuracy Assessment of sUAS Photogrammetrically-Derived Point Clouds
   Amal Suleiman, California State Polytechnic University

7. GOES-16 ABI SRB Products: method, evaluation, and possible improvements
   Hye-Yun Kim, IMSG at NOAA/NESDIS/STAR
   Istvan Laszlo and Hongqing Liu

8. UAV for invasive plant species in the Old Woman Creek estuary, Ohio using machine learning classifiers
   Tharindu Abeysinghe, Bowling Green State University
   Anita Simic Milas

9. Long-term root zone moisture trends across CONUS from a new root-zone soil moisture product called SMERGE
   Kenneth Tobin, Texas A&M International University

10. GOES-16/17-based Evapotranspiration and Drought Monitoring Products from NESDIS GET-D System

Li Fang, UMD/ESSIC
Mitchell A. Schull, Xiwu Zhan, Satya Kalluri, Christopher Hain, and| Martha Anderson

11. Twenty Years of Disaster and Natural Hazards Monitoring with the ASTER Instrument on NASA's Terra Platform
Michael Abrams, Jet Propulsion Laboratory

12. Kite Systems for Local Scale Remote Sensing
Kay Rufty, NASA GSFC WFF
Geoff Bland and Xavier Henry

13. PROPOSING A NEW DROUGHT ASSESSMENT SPECTRAL MODEL TO ANTICIPATE DESERT FRONTS DIRECTIONS THROUGH SUSTAINABLE AGRICULTURE EXPANSION
ALFRED HOMERE NGANDAM MFONDOUM, Stats N' Maps

14. Modelling Risk of Soils Degradation Through Statistics Analysis Of Spectral Indices: Case Study On The Cameroonians Shores Of Lake Chad And Its Hinterland
Paul Gerard Gbetkom, Aix-Marseille Univ, CNRS
Sebastien GADAL, Ahmed El ABOUDI, Alfred Homere NGANDAM MFONDOUM, and Mamane Barkawi MANSOUR

15. Assessment of soil erosion by RUSLE model using earth observation- A case study of North West Coastal Area, Egypt
Samy Abo Ragab, Desert Research Center

16. Societal response and community resilience to environmental pollution and extreme events along Nigeria Coast
Olajumoke Folasade Jejelola, FEDERAL UNIVERSITY OF TECHNOLOGY AKURE

17. SELEGUA a new BSRN station in Southern Mexico
Roberto Bonifaz, Instituto de Geofisica, UNAM
Adriana Elizabeth Cabrera Gonzalez, Mauro Valdes Barron, and Hector Esteves

18. Using very high spatial resolution imagery and an object-oriented paradigm for predicting above-ground biomass in Togo, West Africa
Hobabalo Pereki, University of Lomé

19. Mapping Submarine Groundwater Discharge SGD of the Northern Guam Lens Aquifer NGLA with a UAV and a TIR sensor
Eliana Cortes Walker, University of Guam, Water and Environmental Research Institute WERI

Romina King, Jhon Jenson, Yuming Wen, and Maria Jhonnie Villareal

20. Combining field sampled and imagery sampled data for crop area estimation
    Sunita Yadav, U.S. Department of Agriculture

21. An approach of Machine Learning to improve the results reliability of burning
    areas product in the Brazilian Woody Savannah
    Fabiano Morelli, INPE - National Institute for Space Research
    Olga Oliveira Bittencourt, CÍCERO ALVES DOS SANTOS JÚNIOR, and Rafael Santos

22. The Effects of Floodwaters from the Bonnet Carra Spillway on the Mississippi
    Gulf Coast Oyster Reefs
    Jarett Bell, University of Mississippi Department of Geology and Geological
    Engineering
    Greg Easson, Lance D. Yarbrough, and Lou Zachos

23. Big Change of the Forest and the Coastal zone of Madagascar via satellites
    Noasilalaonomenjanahary Ambinintsoa Lucie

24. Assessing Satellite-Derived Phenological Metrics and Terrain data as a Proxy for
    Vegetation Dynamics Along the Brazilian Savanna Corridor
    Leila Maria Garcia Fonseca, National Institute for Space Research (INPE)
    Hugo do Nascimento Bendini, Alan de Brito, Felipe E. B. Lenti, Alana Kasahara
    Neves, Raquel Trevizam, Magaly Gonzales de Oliveira, Raian Vargas Maretto,
    Thales Sehn Körting, and Dalton de Morisson Valeriano

25. Water quality monitoring using semi-analytical algorithm on the western coast of
    California
    Jee-Eun Min, USRA, NASA Ames Research Center

26. Guidelines for effective environmental assessment and monitoring with drones
    Renee Bartolo, Department of the Environment and Energy
    Jeff Sloan

27. Enhancing Chlorophyll-a Retrievals from Multispectral Observations via Machine
    Learning
    Brandon Smith, NASA GSFC

28. Inter- and intra-annual changes in the three-dimensional structure of urban
    canopies detected by airborne, terrestrial and SLAM LiDAR measurements
    Youngkeun Song, Seoul National University

29. Characterizing Plant Functional Properties in Arctic Biome with a Novel Multi-
    Sensor Unmanned Aerial System
    Dedi Yang, Brookhaven National Laboratory

Shawn Serbin and Andrew McMahon

30. Habitat assessment for western gray squirrels (Sciurus griseus) in eastern Washington State
    Brian Cosentino, Washington Dept. of Fish & Wildlife
    Matt Vander Haegen, Gary Bell, Ilai Keren, Mary Linders, and Shelly Snyder

31. Study on the extraction, distribution and influence of mountain base elevation in the Qinling-Daba Mountains
    Liu Junjie, College of Environment and Planning, Henan University
    Zhao Fang

32. Integrating HiRISE images and MOLA data for accurate surface topographic mapping
    Ahmed Elaksher, New Mexico State University
    Tarig Ali

33. Creating Benchmark Data to Support Autonomous Vehicle Navigation and Validation of Satellite Image-based Mapping
    Charles Toth, The Ohio State University
    Veli ILCI

34. Distribution Patterns of the Altitudinal Belts in the Qinling-Daba Mountains
    Zhao Fang, College of Environment and Planning, Henan University

35. An Analysis of Straight-Line Boundaries and Conflict in the Mideast Region
    David Luzader, North Carolina Central University

36. Leveraging Geospatial Intelligence (GEOINT) in Mining of Rare Earth Elements Ore Deposits
    Emma Jean Bouie, North Carolina Central University

37. GIS Analysis of Future Locations for Electric Charging Stations
    Phillip Agbesi, North Carolina Central University