

## **Machine Vision Rapid Damage Assessment System to Detect Utility Infrastructure Damage**

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The product 'ioView is a machine learning image processing system which allows for rapid assessment of damaged poles downed from storms. This is an ongoing developing project and the presentation highlights progress and growing solutions for utilities. Use of both dash cameras and UAS is being explored to gather required information for initial assessments, reporting and recovery decision making.

### ***About George***

George Banzhaf holds two degrees from Mississippi State University, including a Master of Science with emphasis in Biological Statistics. He has 12 years of experience in developing and growing new business opportunities, GIS, remote sensing, developing wood products through natural resource management and genetic breeding, large-scale inventory projects, and working with government grant projects. Current ongoing projects include using machine learning and UAS to rapidly assess post disaster (such as hurricanes) for utility systems. This is an ongoing project supported through a U.S. Dept. of Energy grant awarded to R&D partner Oceanit.