Predictive Model For Power Outages

Data Analytics For Smart Grid Reliability

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About Vivian Sultan, PhD

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Publications

- “How May Location Analytics Be Used to Enhance the Reliability of the Smart Grid?” Inventions, 4(3), 39.
- “Analysis Framework to Investigate Power-Failure Events and Their Causes?” Proceedings of the International Conference on Data Science, Las Vegas, USA.
- “How May Location Analytics Be Used to Enhance the Reliability of the Smart Grid?” Proceedings of the International Conference on Scientific Computing, Las Vegas, USA.
- “Where Should a Utility Improve Tree Cutting to Reduce the Risk of Vegetation Coming into Contact with Power Lines?” Proceedings of the 9th International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies.
Publications – Cont’d

- “Geographic decision support systems to optimize the placement of distributed energy resources,” International Journal of Smart Grid and Clean Energy, 5(3).
- “Is California's aging infrastructure the principal contributor to the recent trend of power outage?” Journal of Communication and Computer, USA, 13 (5).
- “Is California's aging infrastructure the principal contributor to the recent trend of power outage?” Proceedings of the 22nd Annual California GIS Conference.
- “Electric Vehicles charging infrastructure integration into the electric grid considering the net benefits to consumers,” Proceedings of the 7th International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies.
- “Battery Storage Integration into the Electric Grid,” Proceedings of the 8th International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies.