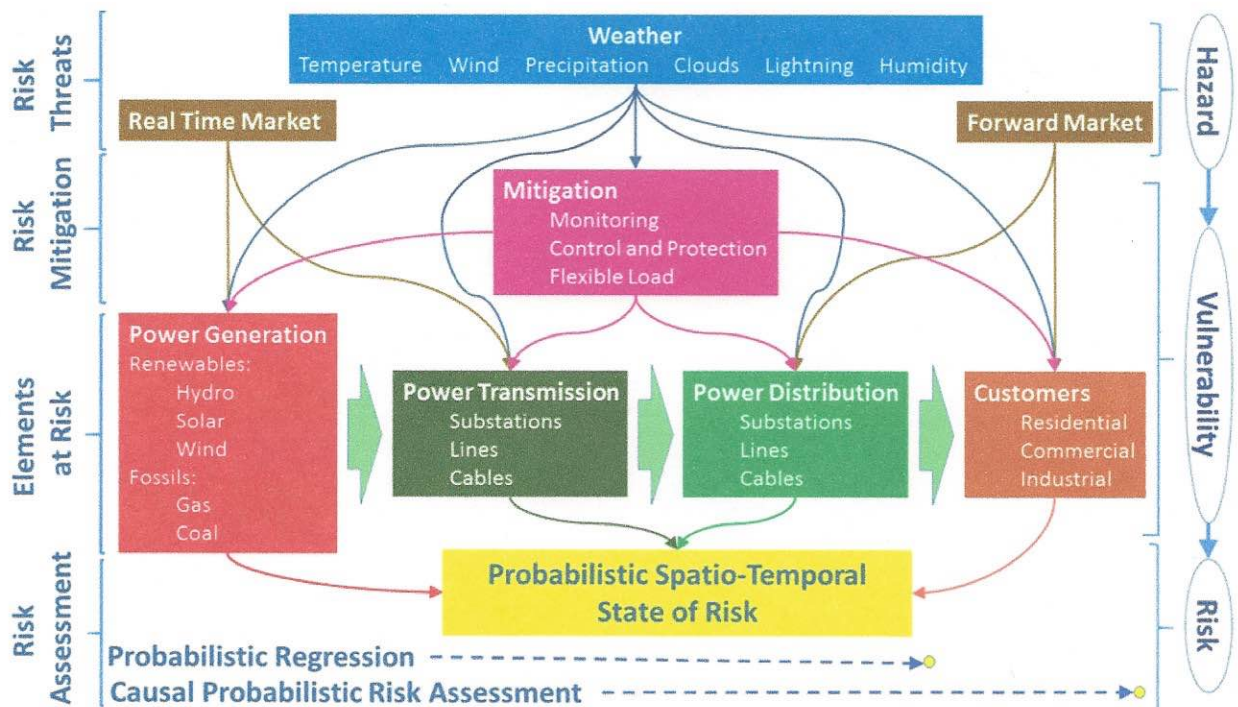


**The 15<sup>th</sup> International Workshop on Electric Power Control Centers  
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**The Role of Predictive Big Data Analytics in Future Control Centers**

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The availability of new data related to power system operation and maintenance opens new opportunities for development of Predictive Big Data Analytics. This talk discusses a few implementation examples recently developed by the author and his research team in cooperation with utilities and some data vendors. As a result, a risk framework as shown in the figure below may be developed to help operators make decisions about the mitigation strategies. The talk focuses on challenges and opportunities in using such predictive methods in operations, operations planning, and maintenance scheduling. The advantages over traditional methods are outlined and cost-benefits are elaborated. The uses of such methods in the control center environment are enumerated.



Please send the Abstract to [dsobajic@gridengineering.com](mailto:dsobajic@gridengineering.com) by April 12