

## The growing importance of power system flexibility in the Clean Energy Revolution

### **ABSTRACT**

In recent years, power system flexibility has become a common by-word for the energy transition. Simply put, power system flexibility is the ability of the power system to respond in a timely manner to variations in electricity supply and demand. A fast growing body of literature highlights the increasing importance of flexibility in power system operations and the ability of flexible resources within the generation mix to accommodate higher shares of variable renewable energy integration. In this talk, I will provide a comprehensive overview of power system flexibility as an effective way to maintain the power balance.

### **Biography**



Dr. Vishwamitra Oree works as Senior Lecturer at the University of Mauritius and he is presently the Head of the Department of Electrical and Electronic Engineering. He holds a PhD in “Renewable Energy Systems Integration and Planning” from the University of Mauritius, a Masters in Electronic Engineering from the Grenoble Institute of Technology (France) and a undergraduate degree in Electrical and Electronic Engineering from the University of Mauritius. His primary research interest hinges on renewable energy technologies and their integration in the power grid. In parallel, his technical background includes work in software and hardware development for embedded systems, prototyping and field testing as well as academic work in machine learning algorithms. He also has a keen interest in problem solving and practical, hands-on engineering.