

The 13<sup>th</sup> International Workshop on Electric Power Control Centers  
Bled, Slovenia, May 17-20, 2015

## **DSA with wind security tool and automatic curtailment suggestion**

**Prof. Reiner Krebs,**  
Siemens AG

### **Abstract**

Situational awareness systems like dynamic stability assessment (DSA) need to be able to focus on individual aspects of power systems. Installation of wind generators is in some countries going on faster than expected. Hence, curtailment of wind generation is sometimes the only measure to maintain security. This paper describes the procedure of a wind security tool to be implemented in a DSA system, which on the one hand recognizes stability problems due to high penetration of wind generation and on the other hand suggests the right curtailment strategy.