

#### **(4) Validation of Wind Turbine Models (M. Meuser, Forschungsgemeinschaft für elektrische Anlagen und Stromwirtschaft e.V. [FGH 9])**

In order to derive correct conclusion from wind turbine simulations, it is necessary that the models be validated against real-world data. Only then it can be estimated how close the simulation results will be to the actual behavior in the field. The validation process includes setting up tests to gather the required data, processing the measured data, and comparing the recorded data to simulation results. These steps will be discussed, taking the relevant IEC and FGW standards into account.