

Guest Lectures: Large Scale Integration of Renewable Power Generations

Lecturer: IEEE DL Professor Mark O'Malley, University College of Dublin

Date: Friday 4 March

Venue: NTNU, Department of Electric Power Engineering, Room F-328

IEEE Power and Energy Society, Norway Chapter and NTNU Department of Electrical Power Engineering invite to two lectures, organized under the *IEEE Distinguished Lecturer Program*.

Lecture 1: "Integrated Energy Systems: the importance of technology, Markets & Policy"
Time: 09:15-11:00. Room: F-328

Lecture 2: "Operating power systems with high penetrations of variable renewable energy"
Time: 12:15-14:00. Room: EL3

Mark O'Malley is Professor of Electrical Engineering, Director of the Energy Institute and Electricity Research Centre at University College Dublin, Ireland and co-founder of the International Institute for Energy Systems Integration (iiESI). He is recognized as a world authority on Energy Systems Integration and in particular Grid Integration of Renewable Energy with active research collaborations in Europe, China and the United States. Mark has authored over 300 academic papers and supervised 22 PhDs to completion. He is a member of the European Academy of Sciences Advisory Council Energy Panel and is the chair of the current Energy Storage Study. He is a member of the IEEE Power Engineering Society Wind Power Coordinating Committee, chair of the IEEE Power and Energy Society Task Force on Capacity Value of Wind and an IEEE distinguished lecturer in the grid integration of renewable energy. He is the Irish representative on the International Energy Agency Research Task 25: Design and Operation of Power Systems with Large Amounts of Wind Power and was a lead author with responsibility for integration issues in the recent International Panel on Climate Change Special Report on Renewable Energy Sources and Climate Change Mitigation.

