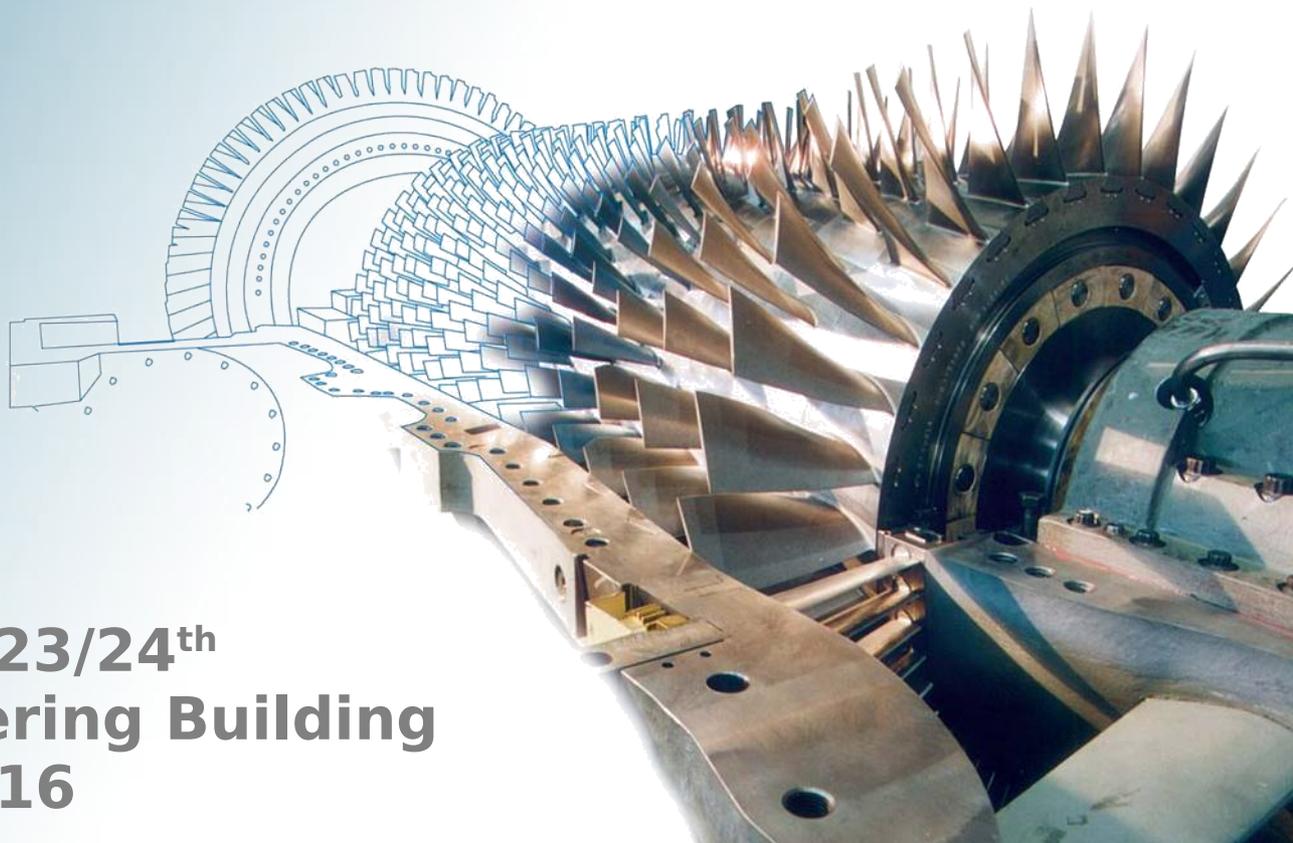


# 2<sup>ND</sup> WORKSHOP ON DYNAMIC SYSTEM MODELLING

From modelling Power Systems using *Modelica* and *Dome*,  
to Real Time Simulation and real system performances



March, 23/24<sup>th</sup>  
Engineering Building  
Room 216

## March 23rd

13.00	Luigi Vanfretti	Modelling with Modelica
14.30	Alvaro Ortega	Modelling Frequency Variations in power system models for transient stability analysis
14.45	Ioannis Dassios	Methods in optimization, system theory and networks for mathematical modelling
15.25	Penelope Gomez	Fuzzy logic applied on solving engineering problems
15.40		<i>coffee break</i>
16.15	Junru Chen	Hardware in the loop real time simulation platform in UCD
16.30	Luigi Vanfretti	Real time simulation at KTH

## March 24<sup>th</sup>

9.30	Ivan Dudurych	Real-time dynamic modelling of the Irish system
10.10	Francesca M Mele	Wind Farm Power System (WFPS) high frequency analysis
10.25	Gudrun M Jonsdottir	Discussion on modeling the Icelandic system including stochastic processes
10.40	M Ahsan Adib Murad	Modelling and calibrating of a VSC-HVDC model for dynamic simulations
10.55		<i>coffee break</i>
11.30	Faezeh Ebrahimzadeh	Modelling and tracker for unknown nonlinear stochastic delay systems with positive input constraints"
11.45	Muyang Liu	Small-Signal Stability Analysis of delay system
12.00	Brendan Hayes	Nonlinear dynamics of dc-dc converters
12.15	David Laverty	Open PMU project
12.55	Giacomo Severini	Modeling and simulations in the study of Neuromuscular control of movement
13.35	Federico Milano	Conclusion
13.40		<i>lunch</i>