

## WINTER SCHOOL – Intake 1 AGENDA

February 13 – 17, 2023

ERASMUS MUNDUS JOINT MASTER  
DYNAMICS OF RENEWABLES-BASED POWER SYSTEMS (DREAM)



ECOLE CENTRALE DE NANTES



UNIVERSITY POLITEHNICA OF BUCHAREST



Hochschule für Technik  
und Wirtschaft Berlin

University of Applied Sciences

HOCHSCHULE FÜR TECHNIK UND WIRTSCHAFT  
BERLIN



**UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH**

UNIVERSITAT POLITÈCNICA DE CATALUNYA

Monday 13th February, 2023



WIFI:



Room: Lecture hall A



8:30 am	Welcome coffee and registration
9:00 am	<b>Opening: 2023 Erasmus Mundus DREAM Master's Winter School</b> Prof. Bogdan Marinescu, DREAM Coordinator
9:15 am	<b>Instituto de Investigación Tecnológica, Madrid (ICAI) – Part 1 -</b> "Frequency stability and design of under frequency load shedding scheme" Lukas Sigrist
10:15 am	Break
10:30 am	<b>Instituto de Investigación Tecnológica, Madrid (ICAI) – Part 2 –</b> "Frequency stability and design of under frequency load shedding scheme" Lukas Sigrist
11:30 pm	Buffet
1:30 pm	<b>Hochschule Für Technik Und Wirtschaft Berlin (HTW Berlin)</b> "Control Concepts of PV and Wind Power Plants: A Comparative Overview" Horst Schulte
3 pm	Break
3:15 pm	<b>University Politechnica of Bucharest (UPB)</b> "Digital technologies driven smart grids applications based on Smart Meters" Mihai Sanduleac

Tuesday 14th February 2023



9:00 am	<b>Universitat Politècnica de Catalunya (UPC)</b> "Power systems dominated by power electronics" Oriol Gomis-Bellmunt
10:30 am	Break
10:45 am	<b>Centrale Nantes</b> "Secondary voltage control in modern power systems" Bogdan Marniescu
11:45 pm	Buffet
1 :30 pm	<b>Greenpower Monitor, Barcelona</b> "The importance of Monitoring and Control PV, Wind and Storage" Luis Serrano Visio conference – Building D, Room D028
3 pm	Break
3 :15 pm	<b>RTE R&amp;D Paris La Défense</b> « Dynawo grid simulators » Quentin COSSART Building D, Room D028

Wednesday 15th February



9:00 am	<b>DREAM Master's Management meeting - Part 1</b> Salle des conseils, building A, 1st floor
10:30 am	Break
10:45 am	<b>DREAM Master's Management meeting - Part 2</b> Salle des conseils, building A, 1st floor
12:15 pm	Lunch
2 pm	<b>OPAL – Part 1</b> “Real-time simulation for the development of complex control systems : concepts, benefits and use cases” Y. Bouzid & N. Racimor
3 pm	Break
3:15 pm	<b>OPAL – Part 2</b> “Real-time simulation for the development of complex control systems : concepts, benefits and use cases” Y. Bouzid & N. Racimor

Thursday 16th February



8:30 am	<b>Meeting point</b> : Entrance gate, Centrale Nantes Guided visit of Chantiers de l'Atlantique, Saint-Nazaire Transport : bus
1 pm	Buffet
2 pm	<b>Centrale Nantes</b> "Modal analysis for power systems with power electronics" Bogdan Marinescu and M. Kouki
3 pm	Break
3:15 pm	<b>Centrale Nantes</b> "Power Hardware in the Loop Test Bench for the evaluation of advanced control schemes with Renewables-based power system" Visit of the lab. V. Thomas

Friday 17th February 2023



	<b>ENEDIS</b>
9:00 am	“Enedis, the French Power DSO – Our services and challenges for the ecological transition”  Anaëlle Trebaol, Fabien Guillou
11 am	Break
	<b>Round table</b>
11:15 am	Conclusion  Bogdan Marinescu