



Electric Vehicle Propulsion and Control

Erasmus Mundus Joint Master Degrees
Agreement number 2019-1452/001-001



With the support of the
Erasmus+ Programme
of the European Union

Winter School Intake 4

AGENDA

ERASMUS MUNDUS JOINT MASTER DEGREE

Electric Vehicle Propulsion and Control: E-PiCo



ECOLE CENTRALE DE NANTES
(ECN) - France



Kiel University
Christian-Albrechts-Universität zu Kiel

CHRISTIAN-ALBRECHTS-UNIVERSITÄT ZU KIEL
(CAU) - Germany



NATIONAL UNIVERSITY OF SCIENCE AND
TECHNOLOGY POLITEHNICA BUCHAREST
(UNSTPB) - Romania



UNIVERSITA DEGLI DELL'AQUILA
(UAQ) - Italy



Opening of the Winter School
Presentation of the activities of e-mobility in CENTRALE NANTES

10:00 (S Building)

Prof. Malek GHANES
E-PiCo Coordinator



11:00 (S Building
/online)

AMPERE, RENAULT GROUP
"Challenges and perspectives for electric vehicles
development"*

Serge LOUDOT
Power Electronics



AMPERE

→ **ON ZOOM** ID: 971 3811 8361 Password: E-PiCoWS4

12:30

Lunch Break

14:00 (S Building)

AMPERE, RENAULT GROUP
"Hydrogen Fuel Cells for Electric Vehicles" *

Abdelrahman GENIDY
PhD student
Intake 1 Graduate



AMPERE

15:30

Break

16:00 (S Building)

AMPERE, RENAULT GROUP
"SW safety-ADAS"*

Ezgi KOÇAK
R&D Engineer
Intake 1 Graduate





AMPERE



17:30

End of day 1



09:00 (S Building)	RENAULT Chair “Control and Modeling of Electric Vehicle Power Systems Based on Hydrogen Fuel Cell, Ultracapacitor and Battery”* <i>Ivan PERMIAKOV</i> <i>PhD student</i> <i>Intake 1 Graduate</i>	
10:30	<i>Break</i>	
11:00 (S Building //online)	CAU “Insights into Battery Heat Generation, Thermal Modeling, and Characterization”* <i>Dr.-Ing. Hamzeh BEIRANVAND</i> <i>Senior Post-Doc, Group leader Battery</i> <i>Chair of Power Electronics</i>	
	→ <u>ON ZOOM</u> ID: 978 2557 5936 Password: E-PiCoWS4	
12:30	<i>Lunch Break</i>	
14:00	MANAGEMENT MEETING	
15:30	<i>Break</i>	
16:00	MANAGEMENT MEETING	
19:30	Les Bateaux Nantais – Cruise Dinner	
23:00	<i>End of day 2</i>	



09:00 (S Building)	RENAULT Chair "Torque observation for a wound rotor synchronous machine with model uncertainties"* <i>Yahao CHEN</i> <i>Researcher</i>	
10:30	<i>Break</i>	
11:00 (S Building)	CAU "Multifunctional and Universal Charging Stations"* <i>Prof. Marco LISERRE</i> <i>Professor, Head of the Chair of Power Electronics</i>	 Kiel University Christian-Albrechts-Universität zu Kiel
12:30	<i>Lunch Break</i>	
14:00 (S Building)	POSTER SESSION	
17:00	<i>End of day 3</i>	



09:00 **On-Site visit of RENAULT electric engine bench in Centrale Nantes**

Prof. Malek GHANES

Centrale Nantes Head of the Chair Renault-CN on EV/HEV

10:30 *Break*

11:00 (S Building) **NXP**
"Motor Control Solutions
using Model-Based Design Workflow"*

Stefan CINIPEANU

R&D engineer



12:30 *Lunch Break*

14:00 (S Building) **University of Modena and Reggio Emilia /Hipert srl**
"Autonomous Driving and Smart Cities
- Research and perspectives-""*

Paolo BURGIO

Aggregate professor



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA



15:30 *Break*

16:00 **BOSCH**
"AI applications in E-mobility"*

**(S Building
/online)**

Tailei WANG

Intern





BOSCH

→ **ON ZOOM** ID: 933 4063 9891 Password: E-PiCoWS4

17:30 *End of day 4*



11:00 (S Building)	WATT & WELL "E-Motor Controllers for Drilling Applications"* <i>Houssein AL ATTAR</i> R&D engineer	
12:30	<i>Lunch Break</i>	
14:00	Guided tour of Nantes' Historical Center	
16:30	<i>End of day 5</i>	

***Conferences open to everyone**