

# PARTICIPANTS

**French partners:** IFSTTAR Paris, IFSTTAR Nantes /  
Université de Lorraine / Valéo / Faurecia / IPC / Laval Virtual  
Center / SNCF-CIM / Itinéraire Interculturels / iD4Car /  
Ecole du Design Nantes / Maison de l'Europe / Laval  
Economie

Hochschule Emden Leer, Germany / HAW  
Hamburg, Germany / ISSIA-CNR, Italy /  
University of Wroclaw, Poland / University  
of Science and Technology Krakow,  
Poland / Turkish Gendarmerie and Coast  
Guard Academy, Turkey / Akdeniz  
University, Turkey / Sakarya University,  
Turkey / Middle East Technical University,  
Turkey  
EPFL, Switzerland / Cranfield University,  
UK

University of Windsor,  
Canada / Embry Riddle  
Aeronautical University, USA  
/ University of Southern  
California, USA

Université des Frères Mentouri-Constantine,  
Algeria / University of Sciences and Technology  
Houari Boumediene, Algeria

Manipal University Jaipur, India / National  
Institute of Technology Toyama College,  
Japan

## Keynote Speakers

Composite Structures:

**Dr. Véronique MICHAUD**, Head of Laboratory for Processing of Advanced Composites  
Université Polytechnique Fédérale de Lausanne / EPFL, Switzerland  
'Composite materials, drivers for clean and cost-effective ground transport'

Energy Storage and Embedded Systems:

**Dr. James WHIDBORNE**, Head of Dynamics, Simulation & Control Group, Centre for Aeronautics  
Cranfield University, United Kingdom  
'Drag Reduction for Trucks by Deflector Control'

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ÉVÈNEMENT  
EHEA Paris 2018  
LABELLISÉ

La France dans l'Europe  
de l'enseignement supérieur



CREATEUR DE NOUVELLES MOBILITES

**ESTACA INTERNATIONAL WEEK  
PROGRAM**  
**19 - 23 MARCH 2018**



Groupe ISAE

# Welcome to ESTACA International Week 2018!

From 19<sup>th</sup> to 23<sup>rd</sup> March 2017, ESTACA is organizing a week devoted to interaction and reflection on **User's Comfort in Autonomous Transportation**.  
The aim of this international event is to bring together ESTACA Partners in order to strengthen relationships and to develop new collaborative research projects.

## TEACHING DAYS

## WORKSHOPS

Monday 19 <sup>th</sup>	Tuesday 20 <sup>th</sup>	Wednesday 21 <sup>st</sup>		Thursday 22 <sup>nd</sup>		Friday 23 <sup>rd</sup>	
8h:30-9:00				Registration		Registration	
9:00-9:15	Courses for ESTACA students in English	Arrival Laval Train Station		C208 <b>What is a French Engineer?</b> Farah Hefied / ESTACA	A103 Véronique MICHAUD, EPFL, <i>Composite materials, drivers for clean and cost-effective ground transport?</i> Arnaud LITTNER, IPC, <i>to be defined</i> Yann LEBAPUIN, EPFL, <i>Improvement of intrusion and crash behavior of aluminum beams by carbon composite patches</i>	Walk to IPC	
9:15-9:30		Registration					IPC, Innovation plasturgie composite
9:30-9:45		Opening session Teaching days	A103 Opening Session / Presentation of ESTACA		Coffee Break		Walk to L.V. Center
9:45-10:00		Coffee break	Laboratories Tour		Intercultural Communication Michel Dalonneau, Director, Itinéraires Interculturels	James WIDHBORNE, Cranfield University, <i>Drag Reduction for Trucks by Deflector Control</i> Shoichi FURUYAMA, Toyama College, <i>A Development of Environment Measurement Software on Android Device</i> Marek SZCZEBINSKI, University of Krakow, <i>Risk of lightning strike to a transport mean: the protection</i> Karthik DEPURU-MOHAN, Cranfield University, <i>Jet noise and its reduction</i>	
10:00-10:15							
10:15-10:30		Lunch at ESTACA / cafeteria		Lunch at ESTACA / cafeteria		TUL - urban bus to Lactopole	
10:30-10:45		Lunch at ESTACA / cafeteria					
10:45-11:00		Lunch at ESTACA / cafeteria					
11:00-11:15	Courses for ESTACA students in English	French High Education System specificities and European Equivalencies Farah Hefied / ESTACA		A101 Training in Europe Marion Lepaytre, Evelina Radvilaitė / Maison de l'Europe	A103 Constantinos SIOUTAS, University of Southern California, <i>The Impact of the Los Angeles International Airport (LAX) and the Los Angeles / Long Beach Harbor on the Concentration, Chemical Composition, and Toxicity of Particulate Matter in the LA Basin</i> Bogdan MURESAN PASLARU, IFSTTAR, <i>On-road emission dynamics and physicochemical properties of non-exhaust particles</i>	Lunch at Lactopole	
11:15-11:30		break					
11:30-11:45			Patricia DELHOMME, IFSTTAR, <i>More comfort and less fatigue as antecedents of acceptance of autonomous vehicle</i>		Hall International Fair meetings with ESTACA Students	Coffee break	Museum Visit
11:45-12:00			French Basics Amélie Delaurière / ESTACA				
12:00-12:15			Coffee break				
12:15-12:30		Isabelle DUSSUTOUR, id4CAR, <i>International project and fundings</i> Bartomiej JAWORSKI, University of Wroclaw, <i>The mainstream way of funding research projects in Poland</i> Laurent CHRETIEN, Laval Virtual Center, <i>Virtual reality and augmented reality in autonomous transportation</i>		Robert DUMORTIER, SNCF-CIM, <i>What to do with a driver's cab in an autonomous train?</i> Florent ORSONI, Ecole du design, <i>to be defined</i>		TUL - urban bus to Bowling	
12:30-12:45		TUL -urban bus to Down Town Laval		C208 Exchange possibilities at ESTACA Farah Hefied, ESTACA		Bowling Session	
12:45-13:00				Net working			
13:00-13:15	Lunch at ESTACA / cafeteria - PEGASE - Senegalese Meal			Poster Session		TUL - urban bus to ESTACA	
13:15-13:30				Free time		Net working / Free time	
13:30-13:45					Free time		
13:45-14:00					Free time		
14:00-14:15					Free time		
14:15-14:30	Courses for ESTACA students in English			Gala Dinner / Hotel Perier du Bignon - Laval		Closing Session Dinner - ESTACA Chaud comme la Breizh	
14:30-14:45							
14:45-15:00							
15:00-15:15							
15:15-15:30							
15:30-15:45							
15:45-16:00							
16:00-16:15	Coffee break						
16:15-16:30	Courses for ESTACA students in English						
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18:45-19:00							
19:00-19:15	Free time						
19:15-19:30							
19:30-19:45							
19:45-20:00		Dinner - Relais d'Alsace, Laval					