

## ENTRANCE REQUIREMENTS

3<sup>rd</sup> or 4<sup>th</sup> year Bachelor students & Master students in the following fields of study :

- Automotive Engineering
- Mechanical Engineering
- Aerospace Engineering
- Materials Engineering
- Electronics/ICT
- Electromechanical Engineering
- Electronics and Automation
- Industrial Technology
- Industrial Engineering
- Industrial Electrical Engineering

## HOW TO APPLY

- **Application Dates** : March 6 – April 7, 2017.
- Place Available : 30
- ECTS credits: 3
- Application form and documentation at: <http://www.master-greendrive.eu>
- Fees : 650€ (*including social activities, food (breakfast & lunch) and accommodation*)
- Other expenses are the student's own responsibility.



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## SUMMER COURSE

2<sup>nd</sup> – 15<sup>th</sup> July 2017

Institut Teknologi Bandung  
INDONESIA



### Joint Master in Sustainable Automotive Engineering

Programme developed by a consortium of 4 European partners in Belgium, France, Spain and United Kingdom and ITB, Indonesia



# Want to get an insight into some INNOVATIVE AUTOMOTIVE TECHNOLOGY ?

## OBJECTIVES

The aim of this course is to **ENHANCE YOUR ENGINEERING COMPETENCIES** for the **automotive industry**. You will study some of the innovative technologies in the areas of powertrain, NVH and dynamic of electric engine, vehicle dynamics, crashworthiness, and advanced manufacturing-DFMA which will be the key components of future vehicles.

## LEARNING OUTCOMES

### The course will help you:

1. To improve your **knowledge of advanced powertrain optimization and calibration / sustainable powertrains, system engineering, quality and system control, decision modeling and powertrain design, and powertrain controller**
2. To build the **understanding of vehicle body structure and crashworthiness design**
3. To develop your **knowledge of vehicle dynamics, suspension and steering system**
4. To enrich your **knowledge related to design for manufacturing and assembly – DFMA in modern vehicle**



Three interlinked topics will be examined during this summer course :

**1**

Powertrain technology influences energy consumption and offers greater control over internal and external safety.

**2**

Crashworthiness and manufacturing design represent an opportunity to **reduce energy consumption and contribute to the vehicle's safety occupant protection**

**3**

Vehicle dynamics related to vehicle performance to **increase comfort and safety, and also reduce fuel consumption.**



The course will be held at

**Institut Teknologi Bandung (ITB), Bandung, INDONESIA.**

Participants will **develop a project** each week.

Classes will be given by **experienced researchers and project managers** working in these topics.

Appropriate balance between **lectures, case studies and visits to industry and technological centers** will give you a comprehensive **overview of the** expected engineering skills for the future.



More information :

[www.master-greendrive.eu](http://www.master-greendrive.eu)