

ERASMUS TRAINEESHIP OFFER DESCRIPTION

Enterprise/Organization	
Name	United Technologies Research Centre
Address (street, postal code, city)	4 th Floor, Penrose Business Centre, Penrose Wharf Cork, Ireland
Country	Ireland
Name and details of the person to be contacted (phone, fax, email)	Philip Harris , group leader Networks & Embedded Systems E-mail: HarrisPJ@utrc.utc.com Konstantinos Kouramas , group leader Control and Decision Support System E-mail: KouramK@utrc.utc.com
Website	www.utrc.utc.com

Job description	
Number of requested people	Multiple
Type of work	UTRC-I has an established research agenda across many areas of intelligent, energy efficient buildings and commercial aircraft in support of the diverse business units of United Technologies Corporation (UTC). UTRC-I is seeking interns to support this agenda through theoretical and applied research in: - machine learning and data analytics - deep learning and event recognition for video analytics - power electronics - system engineering - control, optimal control, efficient building control, energy management systems
Description of tasks	Technical contributions to established European collaborative projects and business unit sponsored technology development. More detailed information will be discussed with potential candidates depending on their job preferences.
Competences to be acquired	

Required periods	
Duration of training	Between 4 and 6 months
Earliest and latest starting date	Flexible, from June 2016

Requirements for the students	
Preferred field of studies	Bachelor/Master/PhD in relevant engineer field respect to the job application
Language skills	Fluent in English
IT skills	Depending on the internship field, one or more IT skills are desirable: MATLAB/Simulink, Dymola, Optimization Software (e.g. Ipopt, CPLEX, AMPL), C/C++, Java/C#, OpenCV, relevant statistical inference tools and libraries and Python.
Other knowledge and skills	Good background on engineering fields that are relevant to the internships related area

Facilities guaranteed by the host enterprise	
Salary and benefits	A salary will be provided
Accommodation	No
Canteen	No

Any other relevant information	
United Technologies Research Center (UTRC) delivers advanced technologies to the businesses of United Technologies Corporation (UTC). UTC is a diversified company that provides a broad range of high-technology products and services to the global aerospace and building systems industries. Its commercial business – UTC Building & Industrial Systems – comprises Otis elevators and escalators as well as UTC Climate, Controls & Security, a leading	

provider of heating, ventilation, air conditioning, fire and security systems, and building automation and controls. The company's aerospace businesses include Pratt & Whitney aircraft engines and UTC Aerospace Systems aerospace products. United Technologies Research Centre Ireland, Ltd. (UTRCI), established in 2009, conducts research into the next generation of energy and security systems for high-performance buildings, generating world-class technologies for UTC's commercial businesses worldwide. Recently, UTRC Ireland added aerospace systems research to its portfolio to support UTC's large industrial presence in Europe.

How to apply and deadline

Send CV via e-mail to HarrisPJ@utrc.utc.com and KouramK@utrc.utc.com

In case of questions you can contact us:
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