

APPLICATION FORM 1


APPLICATION FORM: GLOBAL TRAINING PROGRAMME 2018-2019 – INTERNSHIP INFORMATION

CORPORATIVE INFORMATION			
Name of the company		Materials Center Leoben Forschung GmbH	
Contact Person		Manfred Mücke	Email: Manfred.muecke@mcl.at
Location	Country	Austria	
	City	Leoben	
	Address	Roseggerstraße 12	
Sector		Research	

PROPOSED INTERNSHIP INFORMATION		
Number of trainees to host		2
Extension time (extra months and salary) OPTIONAL <u>SEE DOCUMENT:</u> <i>"FORM 2_Global Training 2017 extension preliminary agreement"</i>	Extra months	Si al finalizar los 6 primeros meses la empresa y el becario desean prorrogar la estancia, la empresa ofrece la posibilidad de prorrogar la estancia hasta 4 meses más.
	Monthly payment for extra months (between 0-1358€/month)	Al finalizar los 6 primeros meses, la empresa ofrece la posibilidad de prorrogar la estancia varios meses con la siguiente mensualidad (a día de hoy): € 1000

INTERNSHIP/PLACEMENT INFORMATION	
Department (in case you want more than 1 trainee, indicate the different departments where they will work)	Group "Embedded Computing & Machine Learning"
Description of project/activities (in case you want more than 1 trainee, indicate the different projects/activities on which they will work)	1) Code Generation for embedded targets / Tensorflow XLA 2) Sensor Data Analytics
COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
Requested profile(s) information (Studies, previous experience, language skills, other skills...)	1)+2) - Master degree in (technical) mathematics, (technical) physics, (technical) chemistry, computer science, data science or similar; - programming skills (Python), - experience with scientific Python SW stack (numpy, scipy, matplotlib, pandas, scikit-learn is a plus 1) lecture about compilers is a plus 2) Knowledge in inverse problems is a plus
Other commentaries	Trainees will have the opportunity to join an applied research group, pursuing state of the art projects at the interface between industry and academia.

INFORMATION ABOUT THE COMPANY/INSTITUTION

LOGO	
WEBSITE	https://www.mcl.at
INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/INSTITUTION IS LOCATED (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)	Leoben is a vivid student town with about 25.000 inhabitants. Nearby mountains allow for plenty of outdoor activities. Excellent train and road links provide easy access to Graz and Vienna and the neighbouring countries (Germany, Slovakia, Czech republic, Hungary, Slovenia, Italy). Leoben is a secure town with typical student housing available and excellent local public transport. Further details can be found at http://international.unileoben.ac.at/en/3562/
GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION	The Materials Center Leoben (MCL) is an internationally active research institution specialized in materials, production and processing engineering and innovative material applications. We are focussed on metallic materials, ceramic materials and their composites. The MCL carries out cooperative research and development projects with industrial partners and offers a comprehensive range of services. [https://www.mcl.at/en/company/]
NUMBER OF PEOPLE AT THE COMPANY OR DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLACE	MCL has about 150 employees
MAIN ACTIVITY OF THE COMPANY/INSTITUTION	The MCL is part of a network of innovative scientific and industrial partners with expertise across the entire supply chain of the materials and production sector. Additionally, the MCL acts as the operating company and research partner of the COMET-K2-Competence Centre IC-MPPE – Integrated Computational Materials, Process and Product Engineering, which provides a sound basis for solving complex research and development tasks. [https://www.mcl.at/en/company/]
A BRIEF EXPLANATION OF MAIN PROJECTS	
PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?	MCL regularly hosts guest researchers and PhD students from abroad. For students, IAESTE traineeships have been offered.
OTHER COMMENTARIES	