

APPLICATION FORM 1


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

CORPORATIVE INFORMATION			
Name of the company		JOANNEUM RESEARCH Forschungsgesellschaft mbH	
Contact Person		Dr. Anja Haase	Email:
Location	Country	Austria	
	City	Weiz	
	Address	Franz Pichler Strasse 30	
Sector			

PROPOSED INTERNSHIP INFORMATION		
Number of trainees to host		2
Extension time (extra months and salary) OPTIONAL SEE DOCUMENT: <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 6 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): € 1.343,-

INTERNSHIP/PLACEMENT INFORMATION	
Department (in case you want more than 1 trainee, indicate the different departments where they will work)	Materials – Institute for Surface Technologies and Photonics
Description of project/activities (in case you want more than 1 trainee, indicate the different projects/activities on which they will work)	Our institute is specialized in Roll to roll nanoimprinting. With this internship we would like to simulate the filling and the demolding of the imprinted structures during the imprinting process and verify the results with roll to roll experiments. The applications are optical and microfluidic structures.
COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
Requested profile(s) information (Studies, previous experience, language skills, other skills...)	Studies: mechanical engineering, physics or chemistry Language skills: English
Other commentaries	

INFORMATION ABOUT THE COMPANY/INSTITUTION

LOGO	
WEBSITE	https://www.joanneum.at/materials/
INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/INSTITUTION IS LOCATED (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)	<p>Weiz is a city in the eastern part of Austria with approx 11.000 inhabitants. It is 30 km in the North of Graz, the capital of the province of Styria. There are many schools in Weiz and also student accomodation (Kolpingheim). There is public transport to Graz either by bus or by train every hour.</p> <p>www.weiz.at</p>
GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION	<p>JOANNEUM RESEARCH Forschungsgesellschaft mbH is a professional leader of innovation and provider of technology. Its entrepreneurial focus and track record of 30 years of cutting-edge research performed on an international scale has made it stand out from the crowd. This key function is to facilitate the transfer of technology and knowledge in South-East-Austria. For these reasons, it is perfectly suited for applied research and technology development.</p> <p>JOANNEUM RESEARCH networks with members of national and international scientific and research communities. It is a recognised research partner whose scientific work fulfills the highest international standards. It supports companies during the development of technologies and processes. In this way, it makes a crucial contribution to secure and increase the competitiveness of Styria and Carinthia as a location for research, innovation and business.</p> <p>JOANNEUM RESEARCH has re-positioned itself through a comprehensive strategic process in compliance with shareholders to meet all the scientific and economic requirements. During the course of this development new research content and objectives have been defined, the structures of the work have been adjusted to meet</p>
NUMBER OF PEOPLE AT THE COMPANY OR DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLACE	In the company, there are about 450 people, at our department in Weiz around 80.
MAIN ACTIVITY OF THE COMPANY/INSTITUTION	<p>JOANNEUM RESEARCH has the following tasks:</p> <ul style="list-style-type: none"> • innovation / research • networking • knowledge transfer <p>The research units are:</p> <p>MATERIALS – Institute for Surface Technologies and Photonics</p> <p>HEALTH – Institute for Biomedicine and Health Sciences</p> <p>DIGITAL – Institute for Information and Communication Technologies</p> <p>POLICIES – Institute for Economic and Innovation Research</p> <p>ROBOTICS – Institute for Robotics and Mechatronics</p>

	LIFE – Centre für Climate, Energy and Society
A BRIEF EXPLANATION OF MAIN PROJECTS	<ul style="list-style-type: none"> • Large-scale production of organic layers (roll-to-roll, screen printing): any kind of structure (optical, biomimicing (gecko effect, lotus effect, ...), microfluidic channels • Microfluidic chip development: new layout design, mastering with several techniques (photolithography, e-beam lithography, grey scale laser lithography), master upscaling for R2R imprinting, R2R UV-NIL imprint, chip assembly • Green Photonics and Electronics • Structured (biomimetic) surfaces in the nanoscale: mastering up to large area replication via UV-Nanoimprint Lithography • Piezoelectric sensors and energy harvesters • (Optical) Chemo-and Biosensors • Laser Production Technology • Aerosol and inkjet printing • Laser and plasma-assisted vacuum deposition process
PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?	In the year 2017/2018 we already participated in this program and are hosting two students at the moment: Elena Gonzalez and Asier Alvarez
OTHER COMMENTARIES	