



**GLOBAL  
TRAINING**

**APPLICATION FORM: GLOBAL TRAINING PROGRAMME 2017-2018 – INTERNSHIP INFORMATION**

CORPORATIVE INFORMATION			
Name of the company		USound GmbH	
Contact Person		Ferruccio Bottoni	Email:
Location	Country	Austria	
	City	Graz	
	Address	Reininghausstrasse 13a	
Sector		Microelectronics Audio	

PROPOSED INTERNHISP INFORMATION			
Number of trainees to host		1	
Extension time (extra months and salary) OPTIONAL  SEE DOCUMENT: "FORM 2_Global Training 2017 extension preliminary agreement"	Extra months (2, 3 or 4 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, si la empresa ofrece la posibilidad de prorrogar la estancia varios meses, sería con la siguiente mensualidad (a día de hoy): 1358€/month	

INTERNSHIP/PLACEMENT INFORMATION			
Department  (in case you want more than 1 trainee, indicate the different departments where they will work)	<b>1.Acoustics</b> <b>2.HW Electronics</b>		
	<b>1.Acoustics</b> <ul style="list-style-type: none"> <li>Development of software tools for R&amp;D department</li> <li>DSP programming of prototype setups</li> <li>Development of measurement software (Acoustics, Mechanics, Electronics)</li> </ul> <hr/> <b>2.HW Electronics</b> <ul style="list-style-type: none"> <li>planning and execution of HW R&amp;D projects in design of MEMS micro-audio devices and systems (micro-speakers for smartphones and sub-miniature speakers for head-phones / head-sets).</li> <li>Schematics of PCB with Altium SW</li> <li>HW Debug and measurements</li> </ul>		
Description of project/activities  (in case you want more than 1 trainee, indicate the different projects/activities on which they will work)			

COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS			
Requested profile(s) information  (Studies, previous experience, language skills, other skills...)	<b>1.Acoustics</b> <ul style="list-style-type: none"> <li>Bachelor's or Master's degree in Informatics, Technical informatics, Electrical Engineering, Physics or comparable</li> <li>Very good programming skills in C# and C++</li> <li>Good digital signal processing knowledge</li> <li>Good programming skills in MATLAB</li> <li>Familiar with common software writing methods and documentation</li> <li>Experience with DSP programming</li> <li>Good English skills (in words and writing)</li> </ul>		



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	<p><b>2.HW Electronics</b></p> <ul style="list-style-type: none"><li>• Bachelor's or Master's degree in Electrical Engineering or comparable</li><li>• Very good skills in developing HW electronics</li><li>• Familiar with common HW electronics software (Altium, Pads, OrCad,...)</li><li>• Familiar with HW debugging and lab measurements</li><li>• Good English skills (in words and writing)</li></ul>
<b>Other commentaries</b>	

**INFORMATION ABOUT THE COMPANY/INSTITUTION**

LOGO	
WEBSITE	<a href="http://www.usound.com">www.usound.com</a>
<b>INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/INSTITUTION IS LOCATED</b>  (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)	The offices are located in Vienna and in Graz  Vienna is the capital and largest city of Austria. Vienna is Austria's primary city, with a population of about 1.8 million. Vienna is known for its high quality of life. In a 2005 study of 127 world cities, the Economist Intelligence Unit ranked the city first for the world's most liveable cities. Between 2011 and 2015, Vienna was ranked second, behind Melbourne, Australia. The UN-Habitat has classified Vienna as being the most prosperous city in the world in 2012/2013.  Graz is the capital of Styria and second-largest city in Austria after Vienna. On 1 January 2017, it had a population of 320,587. In 2014, the population of the Graz Larger Urban Zone who had principal residence status stood at 605,143. Graz has a long tradition as a "university town": its six universities have more than 44,000 students. Its "Old Town" is one of the best-preserved city centers in Central Europe.  USound will help the trainees to find an accommodation and will take over the cost for public transportation. Both office in Vienna and Graz are well served by public transportation.
<b>GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION</b>	USound GmbH is a fast growing audio start-up, founded with the mission of developing and producing the most advanced audio systems for mobile applications based on MEMS technology. The technological platform developed by USound is enabling the production of a revolutionary generation of MEMS micro speakers that will be deployed in the world's top mobile applications.
<b>MAIN ACTIVITY OF THE COMPANY/INSTITUTION</b>	USound designs and manufactures micro-loudspeakers and audio system for mobile applications
<b>A BRIEF EXPLANATION OF MAIN PROJECTS</b>	USound develops miniature loudspeakers and audio system for wearable and portable applications.  USound is working on several loudspeaker projects: <ul style="list-style-type: none"><li>• Earbuds for consumer electronics</li><li>• 3D headphone for gaming</li><li>• Wearables</li><li>• Stereo audio for mobile phones</li><li>• Loudspeakers for hearing aids</li></ul>



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CAMPUS OF  
INTERNATIONAL  
EXCELLENCE



<b>PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?</b>	USound has cooperated in the past with the University of the Basque Countries. Indeed 3 current employees of USound were trainees of the Global Training Programme
<b>OTHER COMMENTARIES</b>	