



INTERNATIONAL ROBOTICS-CAMP FOR STEM GIRLS JUNIOR PLUS

<i>Dates</i>	<i>Summer 2020, 15 days</i>
<i>Location</i>	<i>TUHH (Hamburg University of Technology), Hamburg Industrial Companies located in and around Hamburg</i>
<i>Age</i>	<i>15 to 17 years old</i>
<i>Gender</i>	<i>100% Girls</i>
<i>Group Size</i>	<i>16 students. 2 female group chaperons. 2 university-employed tutors.</i>
<i>Language</i>	<i>English</i>
<i>Goal of the Camp</i>	<ul style="list-style-type: none"> ▪ <i>Acquire in-depth knowledge of Additive Manufacturing (AM)</i> ▪ <i>Learn how AM is revolutionizing the automotive, aerospace, and machining and tooling industry, and marine technology.</i> ▪ <i>Make new friends among like-minded girls from other countries and enhance your personal network.</i> ▪ <i>Learn how you can use robotics to make the world a better place.</i> ▪ <i>Get a head-start in your career by building your network with potential future employers.</i>
<i>Academic Program</i>	<ul style="list-style-type: none"> ▪ <i>Acquire knowledge in construction & CAD-based programming of diverse systems such as Arduino robot, 3-D printing & laser cutting.</i> ▪ <i>Focus on creativity and project-based teamwork.</i> ▪ <i>Learn about advanced 3-D design and –printing: FDM, SLS, SLM, 3DMP</i> ▪ <i>Metal-Print on a SLM printer a component designed by yourself.</i> ▪ <i>Visit German companies using 3-D printing technologies.</i>
<i>Required to Apply</i>	<ul style="list-style-type: none"> ▪ <i>No previous robotics or coding experience required.</i> ▪ <i>Interest – and good school marks – in STEM-related subjects.</i> ▪ <i>Fluent English (Level: C1)</i> ▪ <i>Availability for a one-week preparation, via Webinar at home, before commencement of the camp: introduction to some basic robotics concepts</i>
<i>App. Deadline</i>	<i>1st May 2020</i>
<i>Price</i>	<i>1.344,54€ + 19% MWSt = 1.600,00€</i> <i>(Academic fees, Transfer to/from Hamburg Intl. Airport, All meals, Accomodation, Transfer to/from TUHH, Excursion to Hamburg)</i>
<i>Contact Information for further questions</i>	<i>info@robotics-institute.com</i> <i>Mobile: +49 175 69 699 31</i>



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		Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
AM	Pick-up at Hamburg International Airport and Transfer to youth Hostel	Get to know your Team	Welcome on campus	Academic Program	Academic Program	Academic Program	Academic Program	Presentation Group Projects	Get to know Hamburg Shopping
		Lunch in Hamburg	Lunch on Campus	Lunch on Campus	Lunch on Campus	Lunch on Campus	Lunch on Campus	Lunch on Campus	
PM	Dinner and Evening Program at youth Hostel	Boat Cruise Hamburg Harbour	Academic Program	Visit to TUHH FabLab	Academic Program	Academic Program	Female Mentors & Speakers	Industry Visit	Dinner and Evening Program at youth Hostel
		Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	
		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
AM	Lunch in Hamburg	Miniatur Wunderland, incl. Behind the Scenes	FRAUNHOFER Research Institute	ROLF LENK (SLM)	SLM Solutions (SLM)	Train to Berlin TU Berlin AeroSpace	ORACLE Big Data in AM	Transfer to Hamburg International Airport	
		Enjoy time with your team	Academic Program	ROLF LENK (SLM)	SLM Solutions (SLM)	GEFERTEC (WAAM) (Berlin)	Train to Hamburg		
PM	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program at youth Hostel	Dinner and Evening Program in Berlin	Dinner and Evening Program at youth Hostel		