



GUC German Office

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Topic Proposal Form

International Bachelor Thesis 2021

Supervisor	Univ.-Prof.- Dr. -Ing. Giovanni Del Galdo, Dr.-Ing. Marcus Großmann
Institute/Department	Fraunhofer IIS/ Electronic Measurements and Signal Processing department (EMS) TU Ilmenau/ Electronic Measurements and Signal Processing chair (EMS)
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Research field/Project	Communications and Standardization
Description (URL for research information)	<p>The EMS group is active in the area of Communications and Standardization with focus on the following research aspects:</p> <ul style="list-style-type: none"> - Development of technology components for elaborated communication systems such as 5G and beyond - Evaluation and contribution to standard-relevant solutions for standardization bodies in 3GPP, ETSI, and IEEE. - Standardization work with focus on RAN1 and RAN4 <p>The student will be assigned to the exact Thesis topic based on the project work available at the starting date of the Bachelor Thesis. This way the Thesis has better chances to be project-related with better practical scope.</p>
Maximum number of GUC BSc students who could work on the project	1
Compulsory qualification of students	Good Analytical Skills Good programming skills: Matlab
Date of stay (from – to)	4-6 months, flexible starting date
Remote supervision possible (Yes/No)	No

Additional contact partner Name and email	
Further comments	Additionally, be aware that you can apply for a student job or internship on a related topic.