


<p align="center"><b>Peter the Great St. Petersburg Polytechnic University</b></p> 	<p align="center"><b>Leibniz University Hannover</b></p> 
<p align="center">Institute of Physics, Nanotechnology and Telecommunications</p>	<p align="center">Institute of Quantum Optics</p>
<p align="center"><b>Assoc. Prof. Dr. E.L. Svechnikov</b> Director, Ground Penetrating Radars (GPR) Laboratory</p>	<p align="center"><b>Prof. Dr. Boris Chichkov</b> Head of Nanotechnology Department Lazer Zentrum Hannover e.V.</p>
	
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### **BRIEF DESCRIPTION OF THE UNIT / RESEARCH GROUP**

The main areas of our activities are: Research of microwave and millimeter wave electrical properties of dielectrics and metamaterials; Ground Penetrating Radar (GPR); Millimeter Wave Short-range Radar; Microwave and Eddy-current Nondestructive Evaluation (NDE); Antennas (UWB, millimeter wave, etc.) and microwave circuits and systems; Signal processing and visualization; Electromagnetic compatibility (EMC)

### **WHAT WE OFFER / PROJECT DESCRIPTION**

Project: Application of femtosecond laser structuring for fabrication of elements of centimeter and millimeter wave antennas

### **KEYWORDS**

microwave, millimeter wave, dielectrics, metamaterials, antennas, radar, antennas, GPR, UWB, NDE

### **COLLABORATIONS SOUGHT**

Research & Development, Technical Co-operation, etc.