

CORNET Call for Proposals: International Collective Research
--- Project idea ---

Subject:	Sensing, communication and positioning technologies
Coordinator:	Prof. Dr.-Ing. João Paulo Javidi da Costa
Sector:	<input type="checkbox"/> Materials <input type="checkbox"/> Process Engineering, Energy Technology and Environment <input type="checkbox"/> Business Management and Organisation <input type="checkbox"/> Construction and Production <input type="checkbox"/> Chemistry, Textile, Food, Health and Medical <input checked="" type="checkbox"/> Measurement and Information
Target group:	Signal processing and communications applied to various industrial fields
Proposal summary:	This project idea deals with solutions to four areas related to the topic of robust and secure sensing, communication and position technologies. One considered application of the technologies is related to autonomous vehicles, namely Beyond 5G V2X communication, multidimensional data fusion algorithms, high-precision array-based positioning, and tensor-based information security methods. The project is not limited to the technologies of autonomous vehicles.
Advantages for trade and industry:	Development of new standards for the industry, as well as, production of patents and prototypes
Dissemination concepts:	Scientific and industrial publications
Profile of additional partners:	Flexible to all types of partners
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