

Name SURNAME: ANDREA GALTAROSSA		 Photo
Function:	Professor	
Institution:	Department of Information Engineering, University of Padova, Italy <input type="checkbox"/> Funding Agency <input type="checkbox"/> X Programme <input type="checkbox"/> Manager	
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Division	Optical Fibers and Photonics	
Areas of Expertise:		
<p>My research activity is dedicated to propagation effects in optical devices, in particular single-mode optical fibers. The main topics are the following ones:</p> <ul style="list-style-type: none"> -birefringence effects in step-index single-mode fibers -measurement of polarization mode dispersion (PMD) in fibers and optical components; -PMD effects in high bit rate systems; -distributed measurements of birefringence in optical fibers by means of POTDR techniques; -PMD mitigation techniques; -design of ultra-low-PMD spun fibers; -polarization effects in telecommunication fibers and special fibers; -distributed optical fiber sensor. 		
Short Description of your Institution:		
<p>The Department of Information Engineering of the University of Padova (UNIPD) promotes and supervises research and teaching activities in several areas, and oversees the Ph.D. School on Information Engineering. The Department is one of the highest earners of income for the University.</p> <p>The Department has more than 90 staff members and approximately 4.000 undergraduate and postgraduate students, more than 90 Ph.D. students and post-doctoral fellows doing research in Information Engineering, including the areas of Electronics, System Theory and Automation, Telecommunications, Photonics, Computer Engineering, Bioengineering, Measurement Techniques, Physics and Operations Research applied to Information Engineering.</p> <p>About 30 administrative and technical staff support the Department's activities. They are divided among administrative offices, the library, secretaries (didactic secretary and the Department head's secretary), educational laboratories services, information technology services, general services, and safety services.</p>		
Role in the project:		
Development of quasi-distributed pressure sensor and participation to the related experimental activity. Leader of WP5 "Communication and Dissemination".		

Date, July 27, 2016