

Dr Anne Julien-Vergonjanne is Professor at the University of Limoges, in the Electronics and Telecommunications department of the ENSIL-ENSCI School of Engineers in Limoges. She heads the SYCOMOR research group focused on the study and development of communicating systems and networks involving radiofrequency and optical, wired and non-wired technologies. The SYCOMOR group is part of the SRI (Intelligent Systems and Networks) department of the XLIM laboratory, which is associated with the National Center for Scientific Research (CNRS 7252). Current research activities in the fields of wireless optical communication systems focus on: (i) modeling / simulation of the wireless optical channel (infrared, visible) (ii) modulation, encoding, signal processing and the upper layers (FSO, VLC), (iii) wireless RF / optical sensor networks (optical WBAN, hybrid WSN), (iv) VLC technology coupled with energy harvesting. The applications relate to the fields of IoT, smart city, smart factory, health and aeronautics.

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