



University of Pavia
Ph.D. School in Electronics, Computer Science and Electrical Engineering
Ph.D. School in Micro- and Nano-Electronics
PhD school in Bioengineering, Bioinformatics and Health Technologies

SEMINAR

Celebrating the Day of Light: Miracle Light!

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of Engineering, University of Pavia, Italy**

May 16th, 2024 – h. 11.00, Magenta Seminar Room

Abstract: The Day of Light is an official celebration of UNESCO following the success of the 2015 Year-of-Light. In this talk we will first illustrate how light is a miracle permeating science and culture, technology and biology. Then we exemplify the applications considering two very basic fields: Photodetection (supplying us with devices for wavelength range from UV to FIR and Terahertz waves, and also single photon detectors, and ultrafast detectors), and Photonics Instrumentation (particle size sensing, rangefinders and LiDARs, interferometers for industrial measurements and Optical Coherence Tomography for biomedicine, laser and fiberoptic gyroscopes for inertial navigation, and Laser Doppler Velocimeters).

Bio: Silvano Donati is an Emeritus Professor of University of Pavia since 2015, after having been Full Professor for 31 years. He has fostered the activities and grown a research Group in Optoelectronics at his Alma Mater. Under his guidance 23 PhD students and 125 Master's have been graduated. Has published two books, Photodetectors and Photonics Instrumentation, plus 350+ papers in ISI Journals and 12 patents. He is an IEEE Life Fellow and an Optica Emeritus Fellow. He has been Visiting Professor in several Universities of Taiwan (NTU, NSYSU, NCKU, NCHU, NTUT) and presently is carrying out research at NTUST (Taipei).

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