

Sergio Cova

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Sergio Cova, full professor at Politecnico di Milano (Italy), has been working in microelectronics, optoelectronics and radiation detectors. He contributed to develop single-photon counting and pioneered the development and application of Single-Photon Avalanche Diodes (SPAD). He introduced in 1975 the active-quenching circuit concept (AQC) that opened the way to SPAD applications; developed new silicon SPAD structures for picosecond photon timing; pioneered from 1992 the extension of single-photon counting to the infrared range with Ge and InGaAs/InP diodes. In 2005 he co-founded the university spin-off “Micro-Photon-Devices” MPD. He is Life Fellow of the IEEE and Distinguished Lecturer of the IEEE-LEOS.