



# Prof. Franco Maloberti

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## Topic: Electronics for autonomous systems

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### Abstract:

Recent years witnessed an increasing demand for so-called autonomous applications, that means applications that do not need and do not have the possibility of refuelling the energy as it is commonly done with battery operated devices. This kind of systems harvests power from the environment by transforming what is available into electrical form. Moreover, they are not in the same spatial positions, but move around transported by persons or objects: they are nomadic electronic systems.

Communication is their key feature and the high computing requirements impose using the Web to obtain nodes of the so-called Internet of Things (IoT).

### Biography:

**Franco Maloberti**(M'84–SM'87–F'96–LF'16) received the Laurea Degree in Physics (Summa cum Laude) from the University of Parma, Italy, and the Dr. Honoris Causa degree in Electronics from the Inaoe, Puebla, Mexico. He was a Visiting Professor at ETH-PEL, Zurich and at EPFL-LEG, Lausanne. He was the TI/J.Kilby Analog Engineering Chair Professor at the Texas A&M University and the Distinguished Microelectronic Chair Professor at University of Texas at Dallas. He is Emeritus Professor at the University of Pavia, Italy. He is Honorary Professor, University of Macau, China SAR. His professional expertise is in the design, analysis and characterization of integrated circuits and analogue digital applications, mainly in the areas of switched capacitor circuits, data converters, interfaces for telecommunication and sensor systems, and CAD for analogue and mixed A-D design. He has written more than 570 published papers, seven books and holds 33 patents.

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