

# Eugenio Selvaggi

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## Personal Information:

**Date of birth:** 12/12/1946

**Nationality:** Italian

**Status:** Married

## Professional Profile:

### **Jobs and patents**

**1970 Switzerland:** Design of new equipment for industrial process control.

**1972 Italy:** Italian patent "Apparatus fonotelemetrico electronic.

**1973 Switzerland:** Winner of international competition at CERN (Geneva) following completion of a preamplifier for ionization chamber "femtoampere in solid state." (Application in 50 measuring points for the synchrotron).

**1975 Switzerland:** Designing industrial processes requiring digital technology.

**1976 - 1978 Switzerland:** Designing new products: "Fonotelex", "electronic stethoscope with automatic analysis," Stimulator image for the blind, "" Apparatus for ultrasound imaging by liquid crystal. International patent. Research with the University of Rome, Prof. Cesare Ottavi.

**1980 Italy:** Designing an electronic interface for automatic chemical analysis by atomic absorption using a computer.

**1981 Italy:** Search for a process of innovative solar energy into electricity at high efficiency using different levels of polarization of the radiation.

**1983 Italy:** Construction of equipment ATIUS "Automated Threshold Ultrasonic Imaging System". Patented in 1987. (Built by Alenia Aeronautica Boeing qualification).

**1984 France:** Design innovative data acquisition system flight tests at Aerospatiale.

**1992 Italy:** Implementation of active control of the "flutter" in the wind tunnel at the University of Naples. (European patent application Eugenio Selvaggi and Prof. Leonardo Lecce).

**1997 Italy:** Study of innovative technology for the active control of the "Flutter" by eliminating the kinematics.

**1998 Italy:** Project ATEUS Advanced Three dimensional Echo Ultrasonic System, "Reconstruction of three-dimensional ultrasound image, not virtual, the body without rotation around the same (no tomography)

**2000 Italy:** Project ALENIUS "Annular Laser Echo Non-Contact Ultrasonic Imaging System". Innovative method of laser-ultrasound to induce a strong longitudinal ultrasonic signal.

**2001 - 2007 Italy:** Draft an ultrasound machine for breast cancer treatment. Localized hyperthermia on cancer cells without suffering the surrounding healthy cells. Single field theory.

**2007 - Today Italy:** Single field theory. Draft a diagnostic tool for predicting the stage of progress of Cystic Fibrosis.

**Curiosity:** In 1992, Peter Meijer, a researcher at Philips Research Laboratories Eindhoven, Holland, in "Images Turned into sound; May Help Blind to" see "" Special Report Electronic World News 11/09/1992, confirms the validity of the project: "Stimulator images Blind by Eugene Savage in 1978 and published in 1980. The same idea!