speaker : Jean Guérard

company : ONERA, the French Aerospace Lab

paper : MEMS gyroscope demonstration for space application, using a DPC

After a Ph.D in electronics applied to musical acoustics, Jean Guérard started teaching electrical engineering in the university, and came to research at ONERA, where he was in charge of the performance of the ultrasensitive accelerometers in GOCE and MICROSCOPE missions. He is now focussed on MEMS vibrating inertial sensors, exploring several electronic aspects of the architecture : signal conditioners, signal processing, control loops, and especially in the case of the present paper : embedding the application in a space qualified microcontroller.