

Radivoje Popovic



Professor Emeritus

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Fields of expertise

- Magnetic sensors
- CMOS integrated magnetic sensor systems
- Magnetic measurement instrumentation
- Single photon avalanche photodiodes
- Single electron avalanche transistors
- Instability, drift, and noise phenomena

Research interests

Pushing the limits of the known and feasible in the field of magnetic and optical sensors
 New effects and concepts for sensor devices, interface electronics, and system integration of sensors and electronics

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Publications

Other publications

Last updated Feb 15, 2013

Books 1. R.S. Popovic, "Hall Effect Devices", Adam Hilger, IOP Publishing: Bristol, Philadelphia and New York, 1991 2. R.S. Popovic, "Hall Effect Devices", 2nd edition, Institute of Physics Publishing, Bristol and Philadelphia 2004 Book Chapters 1. N.D. Stojadinovic and R.S. Popovic, "A study of dislocations induced in emitter phosphorus diffusion during silicon planar transistor production: generation, elimination and effect on characteristics", in: Semiconductor Silicon 1981, by H.R. Huff, R.J. Krigler and Y. Takeishi (eds.), Electrochem. Soc., Pennington, N.J. 1981, pp. 844-855 2. R.S. Popovic and W. Heidenreich, "Galvanomagnetic semiconductor sensors", in R. Boll and K.J. Ovestott (eds.), Sensors, Vol.5, Magnetic Sensors, VCH Publishers, Weinheim, 1989, pp. 43-96 3. H.P. Baltes and R.S. Popovic, "Integrated semiconductor magnetic field sensors", in: R. S. Muller et al. (eds), Microsensors, IEEE Press, New York 1991, Section 5.3, pp. 389-414 4. A.P. Friedrich, P.A. Besse, C.M.A. Ashruf and R.S. Popovic: "Optimisation of a new type of strain sensor based on the piezo-tunnelin effect" in "Microsim II - Simulation and design of microsystems and microstructures", Computational Mechanics Publications, Edited by

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Teaching & PhD

Past EPFL PhD Students

[Banjevic Mirjana](#), [Blanchard Hubert](#), [Boero Giovanni](#), [Burger Frédéric](#), [Chiesi Laurent](#), [Demierre Michel](#), [Drijaca Predrag](#), [Dutoit Bertrand](#), [Friedrich Andreas Peter](#), [Lany Marc](#), [Manic Dragan](#), [Massin Charles](#), [Passeraub Philippe](#), [Pauchard Alexandre](#), [Bandjelovic Zoran](#), [Rochas Alexis](#), [Schlageter Vincent](#), [Schott Christian](#), [Schurig Enrico](#), [Yalçin Tolga](#).



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