Research Positions at the Neuromorphic Group of Sevilla Microelectronics Institute

The Neuromorphic Group (www.imse-cnm.csic.es/neuromorphs) at the Sevilla Microelectronics Institute (IMSE www.imse-cnm.csic.es), is searching for post-docs or experienced researchers to join some of their research projects (http://www2.imse-cnm.csic.es/neuromorphs/index.php/Projects). We seek experience in some of the following activities:

Experience 1: microchip (ASIC) analog and mixed-signal design (schematics, simulations, layout, using cadence). Applications include neuromorphic systems, biomedical systems, memristor based computing systems, deep neural networks, spiking neural networks, or vision sensors. Additional experience with either "Experience 2 or 3" below is a plus.

Experience 2: Digital circuit design (vhdl/verilog), either for FPGA or ASICs, to complement applications of systems in "Experience 1" and corresponding test setups. Additional experience with either "Experience 1 or 3" is a plus.

Experience 3: Computational abilities in Artificial Neural Networks (Keras, Pytorch, TensorFlow, Torch, etc), learning algorithms, benchmarking, etc. Additional experience with Spiking Neural Networks is a plus. Additional experience with either "Experience 1 or 2" above is a plus.

- Salary: gross minimum 32k€, negotiable depending on experience.
- Deadline: no fixed deadline, but we seek candidates able to start early Autumn 2022 or before.

IMSE is a mixed institute of the Spanish Research Council (www.csic.es) and the University of Sevilla (www.us.es). Successfull candidates will have access to facilities and tools of both Insititutions.

Interested candidates please submit CV to:

prof. Bernabé Linares-Barranco (bernabe@imse-cnm.csic.es) (www.imse-cnm.csic.es/~bernabe)

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