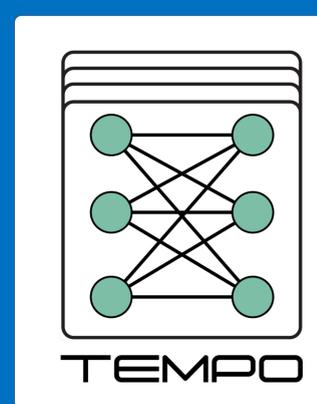
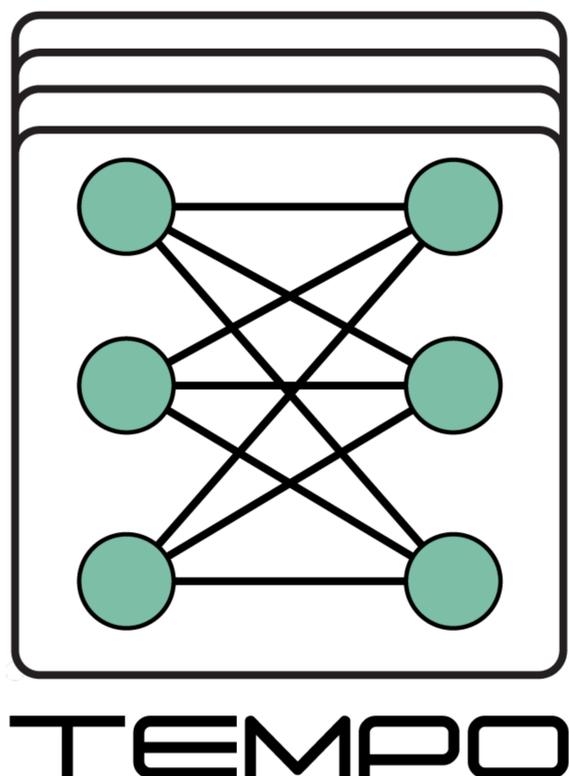


# Technology and hardware for neuromorphic computing



*benchmark & demonstrate across multiple application domains*



Domain	Demonstrator	Technology
1 Health	1.1 X-ray image denoising 1.2 Nutrition assessment of food plate images 1.3 Scalable energy efficient neuromorphic computing architecture	SNN, FPGA SNN, GPU, FPGA SNN, FPGA
2 Digital industry	2.1 Radar-based gesture recognition	SNN, FPGA, ASIC
3 Automotive	3.1 Radar-based surround sensing with improved AoA 3.2 LiDAR-based surround sending with improved efficiency 3.3 Hardware accelerators for object detection and sound event localisation	SRAM, FeFET SNN, OxRAM DNN, FeFET
4 Digital life	4.1 Keyword spotting from speech 4.2 Digital sports monitoring and analysis	SNN, FPGA, ASIC

