

Session 4	Bio-inspired hardware for sound processing
Time	18:30 – 19:00
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Title	Bioinspired Acoustic Processing Hardware
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Abstract	Biological sensors and subsequent data processing structures have evolved over millions of years to allow an individual to learn from the environment and to extract information from sounds. Engineers have much to gain by studying these natural systems and using the key features of biological “wetware” to guide the design of the next generation acoustic processing hardware. This talk will present various approaches to designing hardware implementations of sensory-pathway components and systems, along with the challenges involved