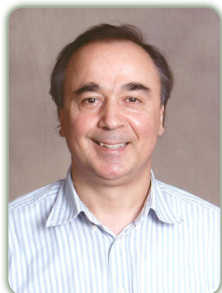


2nd International Summit on **Integrative Biology**

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Stevo Bozinovski

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Controlling robots using brain signals: The first two pioneering results, 1988 and 1999

The keynote paper reports on the only two results in robot control using EEG signals achieved in 20th century. The first one was achieved in 1988 with noninvasive recording from a human brain. The second one was achieved 11 years later, in 1999, with invasive recording (inside the brain) from a rat brain. In 21st century there are many teams and funded research on the brain-computer interface field of research. The talk will also review the first 5 results in the field, carried out before 1990. The directions in the field as shown in the 21st century will also be discussed.

Biography

Stevo Bozinovski is professor of Computer Science at South Carolina State University. His contributions in science include being a member of the team that achieved pioneering result of control of a physical object, a robot, using EEG signals in 1988. His contributions to science include control of a robot using speech commands in 1986, solving delayed reinforcement learning problem in 1981, as well as proposing flexible manufacturing metaphor (in 1987) and systems software metaphor (in 2000) for protein biosynthesis process.

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