

Controlling Prosthetic Limbs with Electrode Arrays

Medical Design Technology

To design prosthetic limbs with motor control and a sense of touch, researchers have been looking at ways to connect electrodes to nerve endings on the arm or leg and then to translate signals from those nerves into electrical instructions for moving the mechanical limb. However, severed nerve cells on an amputated limb can only grow if a structure is present to support them—much the way a trellis supports a growing vine. And they are notoriously fussy about the shape and size of that structure.

[SOURCE](#) [1]

[SOURCE](#) [2]

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http://www.ecnmag.com/news/2011/04/controlling-prosthetic-limbs-electrode-arrays?qt-most_popular=0

Links:

[1] <http://feeds.technologyreview.com/click.phdo?i=f6d8e5b7556fec9b1a5bc1dce3dac1ff>

[2] <http://www.MDTmag.com/News/Feeds/2011/04/products-electronic-components-controlling-prosthetic-limbs-with-electrode-arrays/>