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Emerging Theory and Practice in Neuroprosthetics

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Emerging Theory and Practice in Neuroprosthetics



Ganesh R. Naik and Yina Guo



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Neuroprosthetics is a fast-growing area that brings together the fields of biomedical engineering and neuroscience as a means to interface the neural system directly to prostheses. Advancing research and applications in this field can assist in successfully restoring motor, sensory, and cognitive functions.

Emerging Theory and Practice in Neuroprosthetics brings together the most up-to-date research surrounding neuroprosthetics advances and applications. Presenting several new results, concepts, and further developments in the area of neuroprosthetics, this book is an essential publication for researchers, upper-level students, engineers, and medical practitioners.

Topics Covered:

- Anatomy and Physiology of Central Nervous System
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- Design of Neuroprosthetic Devices
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