Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology)

Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology)

Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology)

New technologies that allow us to investigate mechanisms and functions of the brain have shown considerable promise in treating brain disease and injury. These emerging technologies also provide a means to assess and manipulate human consciousness, cognitions, emotions, and behaviors, bringing with them the potential to transform society. **Neurotechnology: Premises, Potential, and Problems** explores the technical, moral, legal, and sociopolitical issues that arise in and from today's applications of neuroscience and technology and discusses their implications for the future.

Some of the issues raised in this thought-provoking volume include:

- Neurotechnology in education: an enablement, a treatment, or an enhancement?
- The potential and limitations of neuroimaging technology in determining patient prognoses
- Tissue implantation technology as a way of engendering personalized medicine
- Neuroprostheses: restoration of functions of the disabled vs. enhancement to transhuman capabilities
- Deep brain stimulation and its use in restoring, preserving, or changing patients' personal identity
- The benefit and risk of cognitive performance tools
- Cyborg technology and its potential to change our vision of humanity
- Methodologies for reducing the risk of neurotechnology's impact on ethical, legal, and social issues

With contributions from an international group of experts working on the cutting edge of neurotechnology, this volume lays the groundwork to appreciate the ethical, legal, and social aspects of the science in ways that keep pace with this rapidly progressing field.

⬇ **Download** Neurotechnology: Premises, Potential, and Problems ...pdf

🖹 **Read Online** Neurotechnology: Premises, Potential, and Proble ...pdf

Download and Read Free Online Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology)

Download and Read Online Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) #X8ZSQE0J93R

Read Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) for online ebook

Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) books to read online.

Online Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) ebook PDF download

Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) Doc

Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) Mobipocket

Neurotechnology: Premises, Potential, and Problems (Advances in Neurotechnology) EPub