



The Stimulated Brain: Cognitive Enhancement Using Non-Invasive Brain Stimulation

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The Stimulated Brain which garnered an Honorable Mention for Biomedicine & Neuroscience at the 2015 PROSE Awards from the Association of American Publishers presents the first integration of findings on brain stimulation from different research fields with a primary focus on Transcranial Electrical Stimulation (tES), one of the most frequently used noninvasive stimulation methods.


The last decade has witnessed a significant increase in the amount of research exploring how noninvasive brain stimulation can not only modulate but also enhance cognition and brain functions. However, although Transcranial Magnetic Stimulation (TMS) and particularly tES have the potential to become more widely applicable techniques (as they come with none of the risks associated with deep brain stimulation) the reference literature on these neurotechnologies has been sparse.

This resource provides a broad survey of current knowledge, and also marks future directions in cognitive and neuro-enhancement. It expands our understanding of basic research findings from animals and humans, including clear translational benefits for applied research and the therapeutic use of noninvasive brain stimulation methods. The book's coverage includes a primer that paves the way to a more advanced knowledge of tES and its physiological basis; current research findings on cognitive and neuro-enhancement in animals and typical and atypical human populations, such as neurological patients; and discussions of future directions, including specific neuroethical issues and pathways for collaboration and entrepreneurialism.

The Stimulated Brain is the first book to provide a comprehensive understanding of different aspects of noninvasive brain stimulation that are critical for scientists, clinicians, and those who are interested in “stimulating their minds” by exploring this fascinating field of research.

- Honorable Mention for Biomedicine & Neuroscience in the 2015 PROSE Awards from the Association of American Publishers
- The only reference on the market to focus on transcranial electrical stimulation (tES)
- Coverage across technical, historical, and application topics makes this the single, comprehensive resource for researchers and students
- Edited book with chapters authored by international leaders in the fields of medicine, neuroscience, psychology, and philosophy providing the broadest, most expert coverage available

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In this era which is the greater man or woman or who has ability to do something more are more special than other. Do you want to become considered one of it? It is just simple way to have that. What you are related is just spending your time little but quite enough to get a look at some books. One of the books in the top list in your reading list is definitely The Stimulated Brain: Cognitive Enhancement Using Non-Invasive Brain Stimulation. This book that is qualified as The Hungry Inclines can get you closer in growing to be precious person. By looking upward and review this e-book you can get many advantages.

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