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私の 本棚

My favorite books



What is good-quality sleep?

● The Stanford Method of Ultimate Sound Sleep

This book that I read recently may be a must-read book for students preparing for entrance exams as well as for researchers. In short, it says the quality of sleep is a vital key to maximizing the performance of your work or study while awake. In the field of communication networks, guarantee of "QoS" (abbreviation for the term "Quality of Service" regarding delay and other network qualities) comes up as a theme of discussion from time to time. We may also have to give some thought to another "QoS" (Quality of Sleep) to produce good research results.

Learning ICT networks

● Computer Networks Fifth Edition

This book gives beginners an easy-to-understand explanation as to how communication networks are structured, how computers are connected to each other, and how information is exchanged there. As such, the book is highly recommended to those who want to know an overall outline of network systems. This is the translated Japanese version of "Computer Networks Fifth Edition" co-authored by A. S. Tanenbaum and D. J. Wetherall.

Learning smart grids

● Conforming to International Standards: Basic Knowledge Necessary to Structure Energy Service Systems – for Utilities and Power Users –

This volume is a compilation of survey reports on smart grid by the Institute of Electrical Engineers of Japan (Investigating R&D Committee), for a part of which I was responsible as a writer. A smart grid is a next-generation power/energy infrastructure based on ICT. This book introduces smart grid standardization trends and use cases as viewed from user's perspective. What makes it unique are discussions about application of the latest network technologies and security.

A book full of food for thought

● Traps in Thinking – 48 Ways the Brain Tricks You

Depending on cases, excessively subjective assumption can impede progress of your research. On the other hand, it's true that moderate assumption sometimes works as a positive driving force leading you to formerly unattainable success. This is not limited to research but can apply to various other situations as well. Someday, we'd like to become wise enough to make proper decisions after fully understanding the nature and limitations of human thinking.

Learning the basics of control

● Modern Control Engineering Fifth Edition

Soon after I became an undergraduate senior and was assigned to the Ohnishi lab, I read this book during a "Rinko" (a seminar, or journal club, where all of our lab members met to critically evaluate mutual presentations). It explains control engineering, in an easy-to-understand way, from the basics through to applications. Though written in English, I recommend it to students wishing to learn control engineering from now.