



Sadao Kawamura, Mikhail Svinin (Eds.)

Advances in Robot Control

From Everyday Physics to Human-Like Movements

- High quality survey volume on robot control theory
- Dedicated to Suguru Arimoto, Ritsumeikan University, Japan, who is turning 70 next year and has been one of the major contributors in this area

Robotics is still a young science, but we can already identify the people who defined its primary course of development. Suguru Arimoto is one of them. His early works laid the foundations of what nowadays is called modern robot control, and we believe it is both appropriate and necessary to write a book on recent advances in this field in the context of his scientific interests. While presenting recent advances in robot control is the main intention of this book, we also think it is appropriate to highlight Suguru Arimoto's research career, main scientific achievements, and his personality, too. This can be very inspiring and instructive, especially for young researchers. What are the most remarkable features of Suguru Arimoto? On the personal side, his vitality is striking. He is always focused on a research target, and it is always a fun and a pleasure to discuss with him scientific problems and to learn from him. His passion to explain things that might not appear obvious is endless. It is very encouraging to younger researchers that, at this stage of his career, he is still a very active, approachable, and influential researcher, and a person who leads by example. On the scientific side, we should stress his research philosophy. He believes that the final result should be simple and have a clear physical (or physiological, in his recent research) interpretation.

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