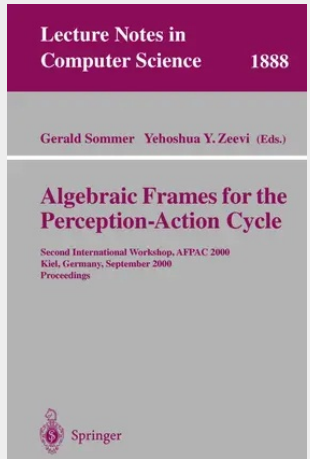


Algebraic Frames for the Perception-Action Cycle

Second International Workshop, AFPAC 2000, Kiel, Germany, September 10-11, 2000
Proceedings

This volume presents the proceedings of the 2nd International Workshop on -gebraic Frames for the Perception and Action Cycle. AFPAC 2000. held in Kiel, Germany, 10–11 September 2000. The presented topics cover new results in the conceptualization, design, and implementation of visual sensor-based robotics and autonomous systems. Special emphasis is placed on the role of algebraic modelling in the relevant disciplines, such as robotics, computer vision, theory of multidimensional signals, and neural computation. The aims of the workshop are twofold: first, discussion of the impact of algebraic embedding of the task at hand on the emergence of new qualities of modelling and second, facing the strong relations between dominant geometric problems and algebraic modelling. The first workshop in this series, AFPAC'97. inspired several groups to initiate new research programs, or to intensify ongoing research work in this field, and the range of relevant topics was consequently broadened. The approach adopted by this workshop does not necessarily fit the mainstream of worldwide research-granting policy. However, its search for fundamental problems in our field may very well lead to new results in the relevant disciplines and contribute to their integration in studies of the perception–action cycle.

This volume presents the proceedings of the 2nd International Workshop on -gebraic Frames for the Perception and Action Cycle. AFPAC 2000. held in Kiel, Germany, 10–11 September 2000. The presented topics cover new results in the conceptualization, design, and implementation of visual sensor-based robotics and autonomous systems. Special emphasis is placed on the role of algebraic modelling in the relevant disciplines, such as robotics, computer vision, theory of multidimensional signals, and neural computation. The aims of the workshop are twofold: first, discussion of the impact of algebraic embedding of the task at hand on the emergence of new qualities of modelling and second, facing the strong relations between dominant geometric problems and algebraic modelling. The first workshop in this series, AFPAC'97. inspired several groups to initiate new research programs, or to intensify ongoing research work in this field, and the range of relevant topics was consequently broadened. The approach adopted by this workshop does not necessarily fit the mainstream of worldwide research-granting policy. However, its search for fundamental problems in our field may very well lead to new results in the relevant disciplines and contribute to their integration in studies of the perception–action cycle.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540410133
Medium: Buch
ISBN: 978-3-540-41013-3
Verlag: Springer Berlin Heidelberg
Erscheinungstermin: 01.09.2000
Sprache(n): Englisch
Auflage: 2000
Serie: Lecture Notes in Computer Science
Produktform: Kartoniert
Gewicht: 1140 g
Seiten: 349
Format (B x H): 155 x 235 mm

