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**Engineering : Computational Intelligence**

Sánchez-Escribano, M. Guadalupe

# Engineering Computational Emotion - A Reference Model for Emotion in Artificial Systems

- Provides a wide analysis of emotion from the perspective of artificial systems, a theoretical foundation for designing computational emotion, and a reference model proposed as a framework for designing artificial systems with emotion
- Presents the unification of theories in order to provide a complete perspective and understanding of the computational mechanisms that might underlie artificial emotion from a multidisciplinary perspective
- Offers a state-of-the-art set of essential assumptions from the basis of many existing emotion theories

This book provides a new perspective on emotion in artificial systems. It presents an insightful explanation of how emotion might emerge deep inside the systems, and emotional behaviour could be seen as a consequence of their internal management. The final approach attempts to account for a range of events associated with emotion, from functional and behavioural features to aspects related to the dynamics and the development of feeling. The book provides a theoretical foundation for engineering and designing computational emotion as a framework for developing future adaptive systems. It includes a painstaking analysis of the rationales for the features of the final approach, including aspects from the fields of Artificial Intelligence, Psychology, the Cognitive Sciences and Model-based Systems. Synthesizing knowledge from a variety of disciplines, it ultimately presents a model conceptualization following the perspectives of Engineering and the Cognitive Sciences.

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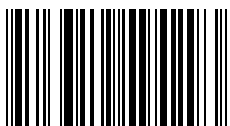
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