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Salem Press Announces the newest Volume in
The Principles of Science Series, *Principles of Robotics & Artificial Intelligence*

Salem Press is pleased to add *Principles of Robotics & Artificial Intelligence* as the twelfth title in the *Principles of* series. This new resource introduces students and researchers to the fundamentals of robotics and artificial intelligence using easy-to-understand language for a solid background and a deeper understanding and appreciation of this important and evolving subject.

Edited by Donald R. Franceschetti, PhD, this edition includes **128** entries arranged in A to Z order to help make finding a topic of interest easy. Entries related to basic principles and concepts include a summary, history and background, applications and products, impacts, concerns, and future, illustrations to clarify difficult concepts via models, diagrams, and charts, and a bibliography.

Entries in *Principles of Robotics & Artificial Intelligence* range from one to five pages in length. Topics discussed include:

- Augmented Reality
- Behavior Informatics
- Constraint Programming
- Deep Blue
- Evolutionary Algorithm
- Fuzzy Logic
- Game Theory
- Incremental Learning
- Internet of Things (IoT)
- Machine Learning
- Neural Networks
- Pattern Recognition
- Robots
- Self Management
- Smart Appliances
- Virtual Reality

The book includes helpful appendixes as another valuable resource, including the following:
- Time Line of Machine Learning and Artificial Intelligence
- A.M. Turing Award Winners
- Glossary
- General Bibliography
- Subject Index

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Designed for high school students and undergraduates, this new resource introduces researchers to the fundamentals of robotics and artificial intelligence using easy-to-understand language for a solid background and a deeper understanding and appreciation of this important and evolving subject. Readers can use these entries as a solid starting off point to develop thorough understanding of this complex subject matter.

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