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| Soggetti | Artificial intelligence |
| | Computer science - Mathematics |
| | Mathematical statistics |
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| | Application software |
| | Computers, Special purpose |
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| | Computer Communication Networks |
| | Computer and Information Systems Applications |
| | Special Purpose and Application-Based Systems |
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| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Preventing Deterioration of Classification Accuracy in Predictive Coding Networks -- Interpreting systems as solving POMDPs: a step towards a formal understanding of agency -- Disentangling Shape and Pose for Object-Centric Deep Active Inference Models -- Object-based Active Inference -- Knitting a Markov blanket is hard when you are out-of-equilibrium: two examples in canonical nonequilibrium models -- Spin |

glass systems as collective active inference -- Mapping Husserlian phenomenology onto active inference -- The Role of Valence and Meta-awareness in Mirror Self-recognition Using Hierarchical Active Inference -- World model learning from demonstrations with active inference: application to driving behavior -- Active Blockference: cadCAD with Active Inference for cognitive systems modeling -- Active Inference Successor Representations -- Learning Policies for Continuous Control via Transition Models -- Attachment Theory in anActive Inference Framework: How Does Our Inner Model Take Shape? -- Capsule Networks as Generative Models -- Home run: finding your way home by imagining trajectories -- A Novel Model for Novelty: Modeling the Emergence of Innovation from Cumulative Culture -- Active Inference and Psychology of Expectations: A study of formalizing ViolEx -- AIXI, FEP-AI, and integrated world models: Towards a unified understanding of intelligence and consciousness -- Intention Modulation for Multi-Step Tasks in Continuous Time Active Inference -- Learning Generative Models for Active Inference using Tensor Networks -- A Worked Example of the Bayesian Mechanics of Classical Objects -- A message passing perspective on planning under Active Inference -- Efficient search of active inference policy spaces using k-means -- Value Cores for Inner and Outer Alignment: Simulating Personality Formation via Iterated Policy Selection and Preference Learning with Self-World Modeling Active Inference Agent -- Deriving time-averaged active inference from control principles.

| Sommario/riassunto | This volume constitutes the papers of the 3rd International Workshop on Active Inference, IWAI 2022, held in Grenoble, France, in conjunction with ECML/PKDD, on September 19, 2022. The 25 revised full papers presented in this book were carefully reviewed and selected from 31 submissions. |