



Mechanisms, Symbols, and Models Underlying Cognition: First International Work-Conference on the Interplay Between Natural and Artificial Computation, Iwinac 2005, Las Palmas, Canary Islands, Spain, June 15-18, 2005, Proceedings, Part I

By -

Springer. Paperback. Book Condition: New. Paperback. 532 pages. Dimensions: 9.3in. x 6.2in. x 1.3in. The computational paradigm considered here is a conceptual, theoretical and formal framework situated above machines and living creatures (two instant- tions), suciently solid, and still non-exclusive, that allows us: 1. to help neuroscientists to formulate intentions, questions, experiments, methods and explanation mechanisms assuming that neural circuits are the psychological support of calculus; 2. to help scientists and engineers from the elds of artificial intelligence (AI) and knowledge engineering (KE) to model, formalize and program the computable part of human knowledge; 3. to establish an interaction framework between natural system computation (NSC) and artificial system computation (ASC) in both directions, from ASC to NSC (in computational neuroscience), and from NSC to ASC (in bioinspired computation). With these global purposes, we organized IWINAC 2005, the 1st International Work Conference on the Interplay Between Natural and Artificial Computation, which took place in Las Palmas de Gran Canaria, Canary Islands (Spain) during June 15-18, 2005. trying to

Reviews

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