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Nota di contenuto	Toward follow-up driven machining line balancing -- A Multi-Project Resource-Constrained Scheduling Model for Custom Manufacturing -- Management of the security issues of the medical and rehabilitation devices -- Declarative Programming Approaches for Robust Anomaly Detection in HPDC Process Data -- Verifying the scalability of simulations in Unity -- A Knowledge Graph-Based Conversational Agent for Analyzing User Interactions -- DisCoCat Interpretation for Montague Semantics -- On Lambek Grammars with Kleene Star.
Sommario/riassunto	This book serves as a forum to present applications of innovative techniques for studying and solving complex problems in artificial intelligence and computing. This book brings together experience, current work, and promising future trends related to distributed computing, artificial intelligence, and their applications to provide efficient solutions to real-world problems. Given the conference's success, this book features fifteen special sessions covering a wide range of topics related to AI and other areas of interest. The accepted papers from these sessions are presented in two volumes, showcasing the diverse and innovative research being conducted in these domains.

This is the first volume, which includes the sessions: AIMPM (Special Session on AI-driven methods for Multimodal Networks and Processes Modeling), CLIRAI (Special Session on Computational Linguistics, Information, Reasoning, and AI), DHC4VS (Special Session on International Conference on Digital Heritage Contents for Virtual-Space), GILL (Special Session on and for female technopreneurs and early career researchers in distributed computing and AI organized by the Gendered Innovation Living Labs), INNO4CFIS (Special Session on Revolutionizing Carbon Farming by Nature-Based Business Models and Emerging Innovations in the field of artificial intelligence, satellite and green technologies ) and TECTONIC (Special Session on New perspectives and solutions in Cultural Heritage). The DCAI'25 technical program has selected 82 papers in special sessions and, as in previous books, there are special issues in ranked journals. This symposium is organized by the SMAC Team of the CRISAL Lab of the University of Lille. We would like to thank all the contributing authors and the members of the Program Committee for their hard and highly valuable work. .

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