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Nota di contenuto	-- 1 A machine learning - based system for determining water potability. -- 2 Energy forecasting using intelligent models. -- 3 A deep learning-based OCR system implementation for traceability ensurement in a metal manufacturing workshop. -- 4 Dimensional reduction techniques for the characterization of behavioral patterns in dairy cows. -- 5 Geothermal heat exchanger's temperature input sensor prediction based on deep learning modelling technique. -- 6 A hybrid intelligence model forecasts the temperature of a battery used in electric vehicles. -- 7 A comparative analysis of algorithms and metrics to perform clustering. -- 8 Wind speed virtual sensor for small wind turbine. -- 9 Reconstructing turbulence-distorted wavefronts through laser-beam profiles.
Sommario/riassunto	This volume of LNNS contains accepted papers presented at DCAI conference in the Special Session on Intelligent Systems Applications (ISA), Salamanca (Spain), June 2024. ISA is a major forum for

presentation of development and applications of innovative techniques in the fields of building management, assistive technologies, the applied engineering, and industry. The scientific committee of the ISA has selected 9 full papers for its publication. This year ISA Special Session has teamed up with “Logic Journal of the IGPL” (Oxford University Press) for one special issue including selected papers from ISA Special Session 2024. We would like to thank all the contributing authors, National Associations (AEPIA, APPIA), and sponsors (AIR Institute). Finally, we are grateful and value the hard work of the Program Committee members and the Organizing Committee of the University of Salamanca which has been essential for the success of the ISA Special Session 2024.
