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Autore	Jove Pérez Esteban
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Altri autori (Persone)	Zayas-GatoFrancisco Díaz-LongueiraAntonio Casteleiro-RocaJosé-Luis
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Nota di contenuto	Application of AI Models for Predicting Level in Sewerage Networks: A Case Study of a Wastewater Pumping Station -- Detection of occupational diseases using a semi-supervised approach -- Comparative performance analysis for modelling photovoltaic solar panels including their temperature -- Friction Stir Welding of Aluminum Alloys Defect Detection based on Convolutional Autoencoders -- Security in Constrained Application Protocol Networks: Evaluating Supervised Classification Techniques for DoS Attack Detection -- Predicting hydrogen consumption in a fuel cell using intelligent techniques -- Prediction of Titanium Dioxide (TiO) Concentration Using Machine Learning and Spectral Analysis -- Monitoring the Dynamics of Water Consumption from Time Series Using Machine Learning Techniques.
Sommario/riassunto	This book 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 the

presentation of the development and applications of innovative techniques in the fields of building management, assistive technologies, applied engineering, and industry. The scientific committee of the ISA has selected eight 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 2025. We would like to thank all the contributing authors, the members of the program committee, and the organizing committee of the University of Salamanca for their hard and highly valuable work, which has been essential for the success of ISA 2025.
