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Sommario/riassunto	This proceedings book contains peer-reviewed papers presented at the 2024 International Conference on Intelligent Systems Design and Engineering Applications which was held in Tottori, Japan, May 10–12, 2024 (ISDEA2024). There are five major sessions covered in this book, including 1) Theory and Application of Artificial Intelligence Technologies in Industry; 2) System Design and Data Analysis within the Context of Internet of Things (IOT); 3) System Automation, Control,

and Robots; 4) Smart Product Design and Integrated Manufacturing and 5) Sensors, Transducers and Detection Technology. This book provides an idea-exchange and discussion platform for the world's engineers and academia to share cutting-edge information, address the hottest issue in intelligent systems design and engineering applications, explore new technologies, exchange and build upon ideas.
