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Nota di contenuto	Ambient Intelligence (Aml) -- Explainable Artificial Intelligence (XAI) with Applications -- Towards Explainable Ambient Intelligence (XAmI) -- XAmI Applications to Location-aware Service -- XAmI Applications to Telemedicine and Telecare -- XAmI Applications in Smart Home -- XAmI Applications in Smart Factory.
Sommario/riassunto	This book systematically reviews the progress of Explainable Ambient Intelligence (XAmI) and introduces its methods, tools, and applications. Ambient intelligence (Aml) is a vision in which an environment supports the people inhabiting it in an unobtrusive, interconnected, adaptable, dynamic, embedded, and intelligent way. So far, artificial intelligence (AI) technologies have been widely applied in Aml. However, some advanced AI methods are not easy to understand or communicate, especially for users with insufficient background knowledge of AI,

which undoubtedly limits the practicability of these methods. To address this issue, explainable AI (XAI) has been considered a viable strategy. Although XAI technologies and tools applied in other fields can also be applied to explain AI technology applications in Aml, users should be the main body in the application of Aml, which is slightly different from the application of AI technologies in other fields. This book contains real case studies of the application of XAml and is a valuable resource for students and researchers. .
