

1. Record Nr.	UNINA9910845098103321
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Titolo	Explainable Ambient Intelligence (XAml) : Explainable Artificial Intelligence Applications in Smart Life // by Tin-Chih Toly Chen
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031549359 303154935X
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (113 pages)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Disciplina	006.8
Soggetti	Virtual reality Augmented reality Artificial intelligence Cooperating objects (Computer systems) Medical care Virtual and Augmented Reality Artificial Intelligence Cyber-Physical Systems Health Care
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Ambient Intelligence (Aml) -- Explainable Artificial Intelligence (XAI) with Applications -- Towards Explainable Ambient Intelligence (XAml) -- XAml Applications to Location-aware Service -- XAml Applications to Telemedicine and Telecare -- XAml Applications in Smart Home -- XAml Applications in Smart Factory.
Sommario/riassunto	This book systematically reviews the progress of Explainable Ambient Intelligence (XAml) 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. .

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