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Titolo	Smart Device to Smart Device Communication / / edited by Shahid Mumtaz, Jonathan Rodriguez
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ISBN	3-319-04963-1
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Descrizione fisica	1 online resource (314 p.)
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Soggetti	Electrical engineering Computer input-output equipment Communications Engineering, Networks Input/Output and Data Communications Electrical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- LTE-A Access, Core and Protocol architecture for D2D Communication -- Node/Peer Discovery, Mode Selection and Signaling for D2D Communication in LTE-A band -- Interference Management in D2D Communication -- Establishment and Maintenance of D2D Communication -- Network Assisted Device-to-Device Communications: Use Cases, Design Approaches and Performance Aspects -- Network-assisted D2D over WiFi Direct -- Device-to-Device (D2D) Communication in Heterogeneous Networks (HetNets) -- Mobile Cloud Over LTE-A Band -- Interdependency between Mobile and Electricity Distribution networks; outlook and prospects.
Sommario/riassunto	This book presents a comprehensive analysis on D2D communication over LTE-A band, while explaining D2D communication. The book considers 3GPP LTE-A as a baseline and explains all fundamental requirements for deploying D2D network under cellular systems from an architectural, technical and business point of view. The contributors

explain the standardization activities of Release 12 of LTE-A, which has been recently acknowledged as support of D2D communication in LTE-A. The text updates the research community on the D2D roadmap as well as new features emerging for consideration in 3GPP.
