1.	Record Nr.	UNINA9910357853103321
	Titolo	Ambient Intelligence : 15th European Conference, AmI 2019, Rome, Italy, November 13–15, 2019, Proceedings / / edited by Ioannis Chatzigiannakis, Boris De Ruyter, Irene Mavrommati
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-030-34255-7
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (XIII, 378 p. 122 illus., 106 illus. in color.)
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 11912
	Disciplina	005.7
	Soggetti	Application software
		Computer communication systems
		Artificial intelligence
		Special purpose computers
		User interfaces (Computer systems)
		Software engineering
		Information Systems Applications (incl. Internet)
		Computer Communication Networks
		Artificial Intelligence
		Special Purpose and Application-Based Systems
		User Interfaces and Human Computer Interaction
		Software Engineering/Programming and Operating Systems
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Ambient Lighting atmospheres for influencing Emotional Expressiveness and Cognitive Performance -- Power efficient clock synchronization in Bluetooth-based mesh networks -- Classifying Teachers' Self-Reported Productivity, Stress and Indoor Environmental Quality using Environmental Sensors -- User Requirements for the Design of Smart Homes: Dimensions and Goals -- A Clustering Approach for Profiling LoRaWAN IoT Devices -- Experiences from Using Gamification and IoT-based Educational Tools in High Schools towards Energy Savings -- IL4IoT: Incremental Learning for Internet-of-Things

Devices -- Enhanced Buying Experiences in Smart Cities: The SMARTBUY approach -- Action Recognition Using Local Visual Descriptors and Inertial Data -- CircuitsMaster: An online End-User Development environment for IoT electronics -- Enabling Machine Learning across Heterogeneous Sensor Networks with Graph Autoencoders -- Development of an Acoustically Adaptive Modular System for Near Real-Time Clarity-Enhancement -- Experiences from Using LoRa and IEEE 802.15.4 for IoT-enabled Classrooms -- Adaptive Service Selection for enabling the Mobility of Autonomous Vehicles -- Discovering User Location Semantics using Mobile Notification Handling Behaviour -- Data-driven Intrusion Detection for Ambient Intelligence -- Spoken Language Identification using ConvNets -- Indoor Air Quality and Wellbeing - Enabling Awareness and Sensitivity with Ambient IoT Displays -- ATHsENSe: an experiment on translating urban data to multisensory immersive artistic experiences in public space -- Characterization of Individual Mobility for Non-Routine Scenarios from Crowd Sensing and Clustered Data -- A Flexible and Scalable Architecture for Human-Robot Interaction -- Toward Supporting Food Journaling using Air Quality Data Mining and a Social Robot -- Viewing Experience of Augmented Reality Objects as Ambient Media - A Comparison of Multimedia Devices -- System Engineering Design for Ambient-Intelligent Decision Support System for Smart Manufacturing -- Ranking robot-assisted surgery skills using kinematic sensors -- uAQE: Urban Air Quality Evaluator -- Enhancing an eco-driving gamification platform through wearable and vehicle sensor data integration -- A distributed Multi-Agent System (MAS) application for continuous and integrated Big Data processing -- Human Activities Recognition using Accelerometer and Gyroscope -- Towards Habit Recognition in Smart Homes for People with Dementia -- Ambient Explanations: Ambient Intelligence and Explainable AI.

Sommario/riassunto	This book constitutes the refereed proceedings of the 15th European Conference on Ambient Intelligence, AmI 2019, held in Rome, Italy, in November 2019. The 20 full papers presented together with 10 short papers were carefully reviewed and selected from 50 submissions. The papers cover topics such as embedded devices that can merge unobtrusively and in natural ways using information and intelligence hidden in the network connecting these devices (e.g., the Internet of Things). The main topic of AmI 2019 was "Data-driven Ambient Intelligence," which follows the vision of Calm Technology, where technology is useful but does not demand our full attention or interfere with our usual behavior and activities.