Smart Home Solutions

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Home-Oriented Informatics and Telematics

Prolonged life expectancy along with the increasing complexity of medicine and health services raises health costs worldwide dramatically. Whilst the smart health concept has much potential to support the concept of the emerging P4-medicine (preventive, participatory, predictive, and personalized), such high-tech medicine produces large amounts of high-dimensional, weakly-structured data sets and massive amounts of unstructured information. All these technological approaches along with “big data” are turning the medical sciences into a data-intensive science. To keep pace with the growing amounts of complex data, smart hospital approaches are a commandment of the future, necessitating context aware computing along with advanced interaction paradigms in new physical-digital ecosystems. The very successful synergistic combination of methodologies and approaches from Human-Computer Interaction (HCI) and Knowledge Discovery and Data Mining (KDD) offers ideal conditions for the vision to support human intelligence with machine learning. The papers selected for this volume focus on hot topics in smart health; they discuss open problems and future challenges in order to provide a research agenda to stimulate further research and progress.

Smart Homes

This book constitutes the refereed proceedings of the Third International Workshop on Ambient Assisted Living, IWAAL 2011, held in Torremolinos-Málaga, Spain, in June 2011 as a satellite event of IWANN 2011, the International Work-Conference on Artificial and Natural Neural Networks.. The 30 papers presented were carefully reviewed and selected from numerous submissions. They are organized in topical sections on mobile proposals for AAL, applications for cognitive impairments, e-

health, smart and wireless sensors, applied technologies, frameworks and platforms, and methodologies and brain interfaces.

Knowledge Discovery and Data Mining

This book focuses on the development of wellness protocols for smart home monitoring, aiming to forecast the wellness of individuals living in ambient assisted living (AAL) environments. It describes in detail the design and implementation of heterogeneous wireless sensors and networks as applied to data mining and machine learning, which the protocols are based on. Further, it shows how these sensor and actuator nodes are deployed in the home environment, generating real-time data on object usage and other movements inside the home, and therefore demonstrates that the protocols have proven to offer a reliable, efficient, flexible, and economical solution for smart home systems. Documenting the approach from sensor to decision making and information generation, the book addresses various issues concerning interference mitigation, errors, security and large data handling. As such, it offers a valuable resource for researchers, students and practitioners interested in interdisciplinary studies at the intersection of wireless sensing processing, radio communication, the Internet of Things and machine learning, and in how they can be applied to smart home monitoring and assisted living environments.

Prudy Keeping House

This book gives information and guidance on important subjects. It presents the major and efficient applications for efficient insulation materials. The book is divided into two parts. Part I discusses ecological insulation materials. In this part, the three sub-subjects are drafting, Unconventional insulation materials, Jute-Based Insulation Material, and Possible Applications of Corn Cob as a Raw Insulation Material. Part II: discusses Practical Applying and Performance of Insulation Materials (case studies), where three sub-subjects are drafting seismic aspects of the application of thermal insulation boards beneath the building's foundations, flammability of bio-based rigid polyurethane foam thermal insulation, and the review of some commonly used methods and techniques to measure the thermal conductivity of insulation materials.

How To Smart Home

Like death and taxes, you simply cannot avoid IoT! It is everywhere! To use a ten-dollar word, it is simply ubiquitous. Love it or hate it; the choice is yours. Either way, get comfortable with it and understand it. I think you'll come to love it once you embrace how it works - and how you can make it work for YOU.We think in terms of "Smart Homes," but with the advent of cybernetics that includes digital assistants, cloud services and personal medical devices (to name a few) our Internet of Things is unique. My Internet of Things includes a wide variety of emerging technologies. Examples include voice-controlled virtual assistants, robots, smart thermostats and blinds, and unifying platforms like SmartThings and IFTTT ("if this, then that"). In my home, I incorporated a combination of these things, selecting what I felt was the best product for each task - some overlap.The

technology is futuristic and, frankly, cool; but it required me to change the way I interacted with the world around me. Once my smart home was set up the way I wanted, I had to be mindful that it was there to help me - albeit not necessarily on my terms. I had to learn how to interact with my virtual assistants. That journey is still unfolding, and I expect both my smart home and IoT to keep expanding and improving as we add more things.This book started simply as the notes I kept during my recent personal experience with selecting and setting up smart home devices for a new house. The scope of this book is broad because the technology isn't just one smart home device; it's all around us in our day to day lives. For that reason, I've included a lot of information on smart applications, mobile operating systems, cloud services, and how they overlap and share data.While researching the project, my husband and I read a plethora of reviews from folks like us (real people, that is). Some reviews were admittedly more insightful than others, but we gained valuable insights into what to avoid, what questions to ask, and we found some great ideas. If you are a DIY type or just want a general idea of what is going on with smart homes, this book will show you a bit of what is possible. By the end of this book, indeed, I hope that you will be comfortable in the Internet of Things (or "IoT") world of connected devices, virtual assistants, skills, connected apps, or IFTTT applets.Chapter 3 outlines the basics of the technology behind IoT, and then Chapter 4 discusses ideas for setting up a smart home. Chapter 5 moves beyond smart home devices and covers apps, cloud services, and sharing data. Smart home solutions are discussed in Chapters 6-9. Chapters 10 and 11 deal with virtual assistants like Siri, Alexa, or Google Assistant. Smart apps are discussed in Chapter 12.As you go through the chapters, you will learn the terminology and what really matters when buying equipment. In case you're like me and like to skip around as topics interest you, the Table of Contents is organized so you can quickly find what you're looking for. Now let's get started and show you how to: - Select good equipment and plan for future growth.- Set up and connect everything.- Integrate apps and systems. - Maintain your smart home.

Securing Our Future Homes

Examination Thesis from the year 2016 in the subject Business economics - Business Management, Corporate Governance, grade: 1,0, , language: English, abstract: An analysis of NestLabs Inc., Google's Smart Home company, and their current business situation is conducted. Internal and external influences are considered. A SWOT Analysis is done and leads in the end to a strategy proposal which NEST should follow in order to improve business in the future.

Smart Health

Assistive technology and telecare are of increasing importance in government policy on healthcare provision. This report provides a comprehensive review and analysis of current policy and practice, as well as making recommendations for the future.

Energy Conservation for IoT Devices

This book focuses on the Internet of Everything and related fields. The Internet of

Everything adds connectivity and intelligence to just about every device, giving it special functions. The book provides a common platform for integrating information from heterogeneous sources. However, this can be quite reductive, as the Internet of Everything provides links not only among things, but also data, people, and business processes. The evolution of current sensor and device networks, with strong interactions between people and social environments, will have a dramatic impact on everything from city planning, first responders, the military and health. Such a shared ecosystem will allow for the interaction between data, sensor inputs and heterogeneous systems. Semantics is a fundamental component of this since semantic technologies are able to provide the necessary bridge between different data representations, and to solve terminology incongruence. Integrating data from distributed devices, sensor networks, social networks and biomedical instruments requires, first of all, the systematization of the current state of the art in such fields. Then, it is necessary to identify a common action thread to actually merge and homogenize standards and techniques applied in such a heterogeneous field. The exact requirements of an Internet of Everything environment need to be precisely identified and formally expressed, and finally, the role of modern computing paradigms, such as Cloud and Fog Computing, needs to be assessed with respect to the requirements expressed by an Internet of Everything ecosystem.

Business Plan and Analysis of Nest (Google's Smart Home Company)

Building a next generation Home Automation system is not as difficult as you think! This home automation book teaches takes you through a step-by-step process on how to build a system to control your Home Lighting, Thermostats, Window Dressing, IP Cameras, Music, Garden, Kitchen, Fire and Security Alarm on your Smartphone or Tablet device.With this new book, Gerard de-mystifies Smart Homes by using easy-to-understand language this book walks you through the process of setting up your own next generation smart Home automation system. Each chapter includes technical illustrations, examples of how smart homes are helping people and insights from Gerard.

Wellness Protocol for Smart Homes

The area of smart homes is fast developing as an emergent area which attracts the synergy of several areas of science. This volume offers a collection of contributions addressing how artificial intelligence (AI), one of the core areas of computer science, can bring the growing area of smart homes to a higher level of functionality where homes can truly realize the long standing dream of proactively helping their inhabitants in an intelligent way. After an introductory section to describe a smart home scenario and to provide some basic terminology, the following 9 sections turn special attention to a particular exemplar application scenario (provision of healthcare and safety related services to increase the quality of life) exploring the application of specific areas of AI to this scenario.

Internet of Everything

The challenging task to develop enthralling room concepts and convincing spatial solutions for the efficient use of small houses and living spaces.

Ambient Assisted Living

The Internet of Things, commonly known as IoT, is a new technology transforming businesses, individuals' daily lives and the operation of entire countries. With more and more devices becoming equipped with IoT technology, smart homes are becoming increasingly popular. The components that make up a smart home are at risk for different types of attacks; therefore, security engineers are developing solutions to current problems and are predicting future types of attacks. This paper will analyze IoT smart home components, explain current security risks, and suggest possible solutions. According to "What is a Smart Home" (n.d.), a smart home is a home that always operates in consideration of security, energy, efficiency and convenience, whether anyone is home or not.

Assistive Technology

YOUR GUIDE TO A FULFILLING BUSINESS AND PERSONAL FUTURE Based on research by one of the world's largest growth-consulting companies, New Mega Trends identifies the ten most important global trends that will define our future, including business models, smart technology, connectivity and convergence and radical social trends. New Mega Trends will give you the tools to not only identify and evaluate these game-changing trends, but also help you to translate them into market opportunities for your everyday business and personal life. How will we travel to work in the cities of the future? Will Zero be the new big thing? How will we stay connected in the Mega Trends World? Will our Wellness and Well-Being top business agenda? If you are a leader with a corporate vision, or a strategic planner within your organization, or just plain curious about your future, New Mega Trends will provide you with stimulating stories, startling facts and thought-provoking case studies that will not only inform your future but entertain you today.

Inside the Smart Home

Presents research investigating the notion that information communication technologies (ICTs) have the potential to improve the lives of people and contribute to enhancing social conditions in developing countries through such concepts as the Knowledge Society, open education, and e-governance.

Small But Smart

Provides instructions on utilising the X10 technology to automate the areas of your home, with components found at your local home improvement centre. This book addresses the interfacing of your personal computer, wireless controls, and voice controls. Topics addressed include: Lights; Security Systems; HVAC; Voice Control Systems; and more.

Impact Analysis of Solutions for Chronic Disease Prevention and Management

Home-Oriented Informatics and Telematics is an essential reference for both academic and professional researchers in the field of home informatics. The home is a key aspect of society and the widespread use of computers and other information appliances is transforming the way in which we live, work and communicate in the information age. This area of study has seen remarkable growth in the last few years as information technology has encroached into every corner of home and social spheres. The papers selected here cover a growing range of topics, including assistive technology; smart homes; home technology; memory aids; home activity; appliance design; design methodology; time, space and virtual presence; social and ethical aspects; and home activities. This state-of-the-art volume presents the proceedings of the Home-Oriented Informatics and Telematics conference held in York, U.K, April 13-15, 2005. This collection will be important not only for home informatics experts and researchers, but also for teachers, administrators, and anyone else seeking to keep up to date in this rapidly emerging field.

Living Smart Home Econ S1 Wb N(a)

Presents a collection of illustrated kitchen, home, and garden tips, and features home projects that require a small number of steps and materials.

Roskey's Guide to Smart Housing Choices

This book constitutes the thoroughly refereed post-proceedings of the 14th International Workshop on Security Protocols, held in Cambridge, UK, in March 2006. The 21 revised full papers presented together with edited transcriptions of some of the discussions following the presentations have passed through multiple rounds of reviewing, revision, and selection. Among the topics addressed are authentication, anonymity, cryptographics and biometrics, cryptographic protocols, network security, privacy, SPKI, user-friendliness, access control, API security, costs of security, and others.

Human-Computer Interaction and Knowledge Discovery in Complex, Unstructured, Big Data

"The thought behind this publication is to continue to develop an active research community dedicated to explore how Smart Homes and Health Telematics can foster independent living and offer an enhanced quality of life for ageing and disabled people. As we begin to witness the effects of changing demographics on todays society we begin to appreciate that the increase in the number of elderly and in the prevalence of those suffering from chronic disease and disabilities are likely to further increase in the next two to three decades. To react to the needs of this cohort to provide an environment within which the people can reside for as long as possible, whilst maintaining their quality of life and independence, is a widespread concern for all. As such, there is real benefit to further investigate the role of technologies to address these changes and subsequently offer practical solutions to support independent living. The editors feel that within the realms of Smart Homes and Health Telematics real, affordable and useful services can be developed which will have the necessary underlying technological and service

delivery infrastructures to allow seamless integration into existing care delivery paradigms. The introduction of technology can provide a positive impact. However, it is necessary to avoid any detrimental effects if reliance upon technology within the home environment becomes so great that people will not leave their own home in fear of losing the support once outside of the home, or its close proximity. This publication focuses on promoting personal autonomy and extending the quality of life by considering including smart services inside and outside of the home."

Social Machines

Smart Homes For Aging Adults

This SpringerBrief discusses the rise of the smart grid from the perspective of computing and communications. It explains how current and next-generation network technology and methodologies help recognize the potential that the smart grid initiative promises. Chapters provide context on the smart grid before exploring specific challenges related to communication control and energy management. Topics include control in heterogeneous power supply, solutions for backhaul and wide area networks, home energy management systems, and technologies for smart energy management systems. Designed for researchers and professionals working on the smart grid, Communication Challenges and Solutions in the Smart Grid offers context and applications for the common issues of this developing technology. Advanced-level students interested in networking and communications engineering will also find the brief valuable.

Security Protocols

For generations, it has been an axiom that the purchase of a home is the greatest single investment the average person makes. The corollary has always been thatif you take good care of that homeit will inevitably be a good investment, permitting you to sell your home at a profit or allowing you to take out a large loan on the equity youve built up. While the axiom is still true, the corollary is no longer true. Many Americans have lost their homes due to the Great Recession and still more owe more on their homes than the homes are worth. People once made a lot of money on flipping homes; now many wonder if they should buy homes at all. There are unmistakable signs that we are headed into an even worse recession, making any housing decisions more important than ever. An acknowledged expert, Dr. Carol Roskey has spent a lifetime in studying all aspects of the housing field from financing to the best kinds of insulation. With her help, you can make well informed decisions.

Smart Homes and Beyond

How the Internet of Things will change your life: all you need to know, in plain English! The Internet of Things (IoT) won’t just connect people: It will connect “smart” homes, appliances, cars, offices, factories, cities… the world. You need to know what’s coming: It might just transform your life. Now, the world’s #1 author of beginning technology books has written the perfect introduction to IoT for

everyone. Michael Miller shows how connected smart devices will help people do more, do it smarter, do it faster. He also reveals the potential risks—to your privacy, your freedom, and maybe your life. Make no mistake: IoT is coming quickly. Miller explains why you care, helps you use what's already here, and prepares you for the world that's hurtling toward you. --What is IoT? How does it work? How will it affect me? --What's realistic, and what's just hype? --How smart is my "smart TV" really? (And, is it watching me?) --Can smart IoT devices make me healthier? --Will smart appliances ever be useful? --How much energy could I save with a smart home? --What's the future of wearable tech? --When will I have a self-driving car? --When will I have a nearly self-driving car? (Hint: Surprisingly soon.) --Is IoT already changing the way I shop? --What's the future of drones, at war and in my neighborhood? --Could smart cities lower my taxes? --Who gets the data my devices are collecting? --How can I profit from the Internet of Things? --What happens when the whole world is connected? --Will I have any privacy left at all?

Assistive Technology and Telecare

The Internet of Things

This book constitutes the refereed proceedings of the Third Workshop on Human-Computer Interaction and Knowledge Discovery, HCI-KDD 2013, held in Maribor, Slovenia, in July 2013, at SouthCHI 2013. The 20 revised papers presented were carefully reviewed and selected from 68 submissions. The papers are organized in topical sections on human-computer interaction and knowledge discovery, knowledge discovery and smart homes, smart learning environments, and visualization data analytics.

Smart Home Hacks

Are you a professional woman looking to buy your first house? Should you look for a cheap home loan or the right home loan ?Are you overwhelmed by all the information or lack of it?Smart Women, Smart Home Loans is the essential guide for every woman who wants to choose the right home loan based on her needs. Conversations about home loans typically focus on cheap interest rates. This book encourages you to think about home loans beyond low interest rates. It is packed with essential information about the mortgage industry, the process involved and your dream team and includes real-life examples to help you make smart choices.Obu Ramaraj advocates the need for women to be financially aware. With more women than ever stepping into the property market at a young age, they need to choose a loan on their terms, with a thorough understanding. Everyone is looking for information to guide them – this is the book.

Smart Women, Smart Home Loans

Developing Successful ICT Strategies: Competitive Advantages in a Global Knowledge-Driven Society

Smart Homes (SH) offer a promising approach to assisted living for the ageing population. Yet the main obstacle to the rapid development and deployment of Smart Home (SH) solutions essentially arises from the nature of the SH field, which is multidisciplinary and involves diverse applications and various stakeholders. Accordingly, an alternative to a one-size-fits-all approach is needed in order to advance the state of the art towards an open SH infrastructure. This book makes a valuable and critical contribution to smart assisted living research through the development of new effective, integrated, and interoperable SH solutions. It focuses on four underlying aspects: (1) Sensing and Monitoring Technologies; (2) Context Interference and Behaviour Analysis; (3) Personalisation and Adaptive Interaction, and (4) Open Smart Home and Service Infrastructures, demonstrating how fundamental theories, models and algorithms can be exploited to solve real-world problems. This comprehensive and timely book offers a unique and essential reference guide for policymakers, funding bodies, researchers, technology developers and managers, end users, carers, clinicians, healthcare service providers, educators and students, helping them adopt and implement smart assisted living systems.

Insulation Materials in Context of Sustainability

This book addresses the Internet of Things (IoT), an essential topic in the technology industry, policy, and engineering circles, and one that has become headline news in both the specialty press and the popular media. The book focuses on energy efficiency concerns in IoT and the requirements related to Industry 4.0. It is the first-ever “how-to” guide on frequently overlooked practical, methodological, and moral questions in any nations’ journey to reducing energy consumption in IoT devices. The book discusses several examples of energy-efficient IoT, ranging from simple devices like indoor temperature sensors, to more complex sensors (e.g. electrical power measuring devices), actuators (e.g. HVAC room controllers, motors) and devices (e.g. industrial circuit-breakers, PLC for home, building or industrial automation). It provides a detailed approach to conserving energy in IoT devices, and comparative case studies on performance evaluation metrics, state-of-the-art approaches, and IoT legislation.

Easy X10 Projects for Creating a Smart Home

New Book Reveals 13 Assistive Technology Solutions That Play An Important Role In Supporting Aging Adults. Learn How to use technology to improve the quality of your life at home as you get older! This book is intended to be read by the following people: [+] Individuals that are 45 years of age and above, who want to be able to live at home safely, comfortably and securely for as long as possible. [+] Aging adults living alone who have a preference to live independently at home and delay or completely negate the need to move to nursing home facilities. [+] People who feel nervous, scared or lacking the necessary knowledge to allow technology into their homes and lives. We are in the midst of a senior population bulge that will last for the next 20-30 years and put immense strain on the resources of our families and governments. This short ebook is worth checking out if you are part of this generation and want to see what you can do to help yourself. Children living long distances from their aging parents who are worried and want to use senior focused technology systems to help them remotely monitor their loved ones. This e-

book explains 13 technology solutions and services that will allow you to face the many challenges associated with growing old gracefully and with dignity. This book includes the two short and one really long chapter: Chapter 1: Independent Living 2.0 Introduction – This chapter describes next generation Independent Living (IL 2.0) and associated benefits. Chapter 2: Next Generation IL 2.0 Solutions - The second and 'longeeeeeest' chapter helps seniors learn about 13 different IL 2.0 systems ranging from flood detection systems and PERs to Home Security Alarm System and socialization technologies. Chapter 3: Final Thoughts Populations around the world are aging and most if not all adults prefer to grow old in their own homes. This short book is worth checking out if you are part of this generation and want to see what you can do to help yourself.

Positionspapier "Smart Home Solutions und digitale Heizung: Energieeffizienz durch intelligente Vernetzung"

Points towards the difficulty encountered in research and development carried out by laboratories to reach the users. This book aims at alerting developers so that they pay attention to the outcome of their work. Inventive research and technologies which have a high potential in the field of Assistive Technology are described in this publication.

Designing Smart Homes

Nowadays networks, microprocessors, memory chips, smart sensors and actuators are faster, cheaper and smaller than ever. They are becoming available anywhere, anytime. Current advances in such enabling technologies let foresee novel applications and services for improving the life of elderly and disabled people in their home and outside. These conference proceedings present the latest approaches and technical solutions in the area of smart homes, health telematics, and enabling technologies. The first chapter delves into the user perspective to ascertain real needs and design truly useful services. The following chapter explores the enabling technology. Distributed sensors, smart devices and networks appear as the nuts and bolts compulsory to build up smart homes. Chapter three looks at the realization of smart homes. Pervasive computing is emerging as one of the key approaches to organize computations within smart homes. The fourth chapter addresses the issue of using smart home features to design and deliver smart care services to persons with disabilities and elderly people. Finally Chapter five outlines standardization efforts and practical and industrial experiences. ICOST aims at creating an active research community dedicated to explore how smart homes in particular and health telematics in general can foster independent living and an enhanced life style for elderly and disabled people. On the one hand, smart homes are augmented environments with embedded computers, information appliances and multi-modal sensors allowing people to perform tasks efficiently by offering unprecedented levels of access to information and assistance from computer. On the other hand, health telematics makes the most of networks and telecommunications to propose health services, expertise and information at distance.

COST EFFECTIVE SMART HOME SOLUTIONS

Communication Challenges and Solutions in the Smart Grid

The book addresses issues towards the design and development of Wireless Sensor Network based Smart Home and fusion of Real-Time Data for Wellness Determination of an elderly person living alone in a Smart Home. The fundamentals of selection of sensor, fusion of sensor data, system design, modelling, characterizations, experimental investigations and analyses have been covered. This book will be extremely useful for the engineers and researchers especially higher undergraduate, postgraduate students as well as practitioners working on the development of Wireless Sensor Networks, Internet of Things and Data Mining.

Manage Your Smart Home With An App!

The volume includes a set of selected papers extended and revised from the 4th International conference on Knowledge Discovery and Data Mining, March 1-2, 2011, Macau, Chin. This Volume is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of knowledge discovery and data mining and learning to disseminate their latest research results and exchange views on the future research directions of these fields. 108 high-quality papers are included in the volume.

From Smart Homes to Smart Care

Using clear and accessible language this book examines the growing field of ‘smart technology’ for the home. The author first introduces the field before exploring the various background issues, including how the home differs from other environments. He then shows how these background issues affect the design and usability of these technologies. A detailed case study looks at the use of handheld and wearable digital technology in sheltered housing. The last section examines what it is like to live in a smart home and why they have so far failed to reach the levels of success originally predicted. Invaluable reading for anybody interested in designing smart technologies for the home.

New Mega Trends

This book constitutes the refereed proceedings of the 10th International Conference on Smart Homes and Health Telematics, ICOST 2012, held in Artiminio, Tuscany, Italy, June 12- 15, 2012. The 25 revised full papers presented together with 22 short papers were carefully reviewed and selected from 74 submissions. The papers are categorized into a number of sessions that include: User Engagement for Improved Adoption of Assistive Technologies, Self-Management and Tele-Rehabilitation, Advances in Remote Monitoring and Activity Recognition, Sensor Networks for Unobstrusive Monitoring Solutions, and Real World “Aware” Systems.

Smart Assisted Living

Companies like Facebook and Twitter have redefined socialinteraction. But what if “machines” like automobiles,bicycles, health monitors, appliances, instruments, and anythingelse you can connect to the Internet, could all become members ofyour social network, collect data you care about, and feed it backto you at just the right time? Nike+ is already doing this for yourbody, but every major industry, from healthcare to cars to homeconstruction, is now building sensors and digital connectivity intotheir next generation of products. Companies like Ford, Pepsi,Verizon, and Procter and Gamble are also using “socialmachines” to reach new markets, improve brand/marketawareness, and increase revenues. SocialMachines is the first book for business people,marketers, product developers, and technologists,explaining how this trend will change our world, how your businesswill benefit, and how to create connected products that customerslove. Explains how smart phones and tablets enable SocialMachines Describes how digital technology is being “bakedin” to the most unlikely new products—evenwheelchairs. Articulates how the “Internet of Things” isbecoming social—and why that’s the foundation forpowerful new business models In the very near future, every great new product will be social.The next stage of interaction between people and our environment isupon us.

Simple Home Solutions: Good Things with Martha Stewart Living

So much of what is commonplace today was once considered impossible, or at least wishful thinking. Laser beams in the operating room, cars with built-in guidance systems, cell phones with email access. There's just no getting around the fact that technology always has, and always will be, very cool.But technology isn't only cool; it's also very smart. That's why one of the hottest technological trends nowadays is the creation of smart homes.At an increasing rate, people are turning their homes into state-of-the-art machines, complete with more switches, sensors, and actuators than you can shake a stick at. Whether you want to equip your home with motion detectors for added security, install computer-controlled lights for optimum convenience, or even mount an in-home web cam or two purely for entertainment, the world is now your oyster. Ah, but like anything highly technical, creating a smart home is typically easier said than done.Thankfully, Smart Home Hacks takes the guesswork out of the process. Through a seemingly unending array of valuable tips, tools, and techniques, Smart Home Hacks explains in clear detail how to use Mac, Windows, or Linux to achieve the automated home of your dreams. In no time, you'll learn how to turn a loose collection of sensors and switches into a well-automated and well-functioning home no matter what your technical level may be.Smart Home Hacks covers a litany of stand-alone and integrated smart home solutions designed to enhance safety, comfort, and convenience in new and existing homes. Kitchens, bedrooms, home offices, living rooms, and even bathrooms are all candidates for smart automation and therefore are all addressed in Smart Home Hacks.Intelligently written by engineering guru and George Jetson wannabe, Gordon Meyer, Smart Home Hacks leaves no stone unturned. From what to purchase to how to use your remote control, it's the ultimate guide to understanding and implementing complete or partial home automation.

Smart Home

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION