Gsm Gprs Gps Tracker

DANIELLE SANCHEZ

Global Sources Telecom Products Springer Nature
Find out how to transform your Arduino device into an awesome secret agent gadget with this course, taking in everything from robotics to remote control cameras About This Book This course won't just teach you. It will help you apply your knowledge so you can get creative – quickly! Find out how to make a computer interact with the real-world – you'll be learning the basics of IoT without realizing it. Robots. A sound controlled Christmas tree. This course proves anything is possible with an Arduino! Who This Book Is For Seeking inspiration? This course will help you get creative with your Arduino quickly. What You Will Learn Find out how to explore the full potential of your tiny Arduino Find out how to bridge the gap between the real world and software, as you gather and visualize data from the environment Create simple servers to allow communication to occur Transform your Arduino into a GPS tracker Use the Arduino to monitor top secret data Build a complete spy robot! In Detail An Arduino might be a tiny computer but it can be used as the foundation for a huge range of projects. In this course, we'll show you how just some of the projects that are possible with an Arduino. From robotics to secret agent gadgets, we're pretty confident that this course will get you thinking creatively – and inspire you to create your very own new projects using the Arduino hacking skills you learn. This course, combines both text and video content – it's made up of three modules to help organize your learning. In the first module we'll show you how to build three different Arduino projects. All of these will not only get you up and running with something practical, they'll also help you better understand how the Arduino works. Find out how to develop a home automation system and even build a robot! In the second module we'll go one step further to help you get creative as you learn how to program LEDs with your Arduino. You'll find out how to build a mood lamp and a remote-controlled TV backlight, before going on to make a sound controlled LED Christmas tree that makes use of sound visualization. Finally, the third module takes you from stylish design into espionage, as you learn how to create neat secret agent gadgets with your Arduino. Find out how to build an

alarm system, a fingerprint sensor, even open a lock with a text message. And that's not all – but to find out more you'll have to dive in! This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Arduino By Example by Adith Jagadish Boloor Arduino BLINK Blueprints by Samarth Shah, Utsav Shah Arduino for Secret Agents by Marco Shwartz Style and approach Combining both video and text and built from some of Packt's very best Arduino content, this course comprises of three modules covering a range of projects. It's completely focused on helping the user get creative as quickly as possible so they can explore what's possible with Arduino themselves.

Introduction to GPS Springer

This book is a collection of research papers and articles presented at the 3rd International Conference on Communications and Cyber-Physical Engineering (ICCCE 2020), held on 1-2 February 2020 at CMR Engineering College, Hyderabad, Telangana, India. Discussing the latest developments in voice and data communication engineering, cyber-physical systems, network science, communication software, image and multimedia processing research and applications, as well as communication technologies and other related technologies, it includes contributions from both academia and industry. This book is a valuable resource for scientists, research scholars and PG students working to formulate their research ideas and find the future directions in these areas. Further, it may serve as a reference work to understand the latest engineering and technologies used by practicing engineers in the field of communication engineering.

Proceedings Cambridge University Press

The book is a collection of best papers presented at the International Conference on Intelligent Computing and Applications (ICICA 2018), held at Velammal Engineering College, Chennai, India on 2–3 February 2018. Presenting original work in the field of computational intelligence and power and computing technology, it focuses on soft computing applications in power systems; power-system modeling and control; FACTS devices – applications in power systems; power-system stability and switchgear and protection; power quality issues and solutions; smart grids; green and renewable energy technologies; optimization techniques in electrical systems; power electronics controllers for power systems; power converters and modeling; high voltage engineering; diagnosis and sensing systems; and robotics.

Intelligent Solutions for Sustainable Power Grids CRC Press

This volume constitutes the refereed proceedings of the Second International Conference on Computational Intelligence, Security and Internet of Things, ICCISIoT 2019, held in Agartala, India, in December 2019. The 31 full papers and 6 short papers were carefully reviewed and selected from 153 submissions. The papers are organised according to the following topics: Computational Intelligence, Security, Internet of Things. Papers from the extended track are also presented in the volume.

Internet of Things: Development of IoT Devices (UTeM Press) John Wiley & Sons

This book includes selected peer-reviewed papers presented at the International Conference on Modeling, Simulation and Optimization (CoMSO 2022), organized by National Institute of Technology, Silchar, Assam, India, during December 2123, 2022. The book covers topics of modeling, simulation, and optimization, including computational modeling and simulation, system modeling and simulation, device/VLSI modeling and simulation, control theory and applications, and modeling and simulation of energy systems and optimization. The book disseminates various models of diverse systems and includes solutions of emerging challenges of diverse scientific fields.

Building a Dedicated GSM GPS Module Tracking System for Fleet Management CRC Press

The two-volume set LNCS 12013 and 12014 constitutes the thoroughly refereed proceedings of the 17th International Conference on Computer Aided Systems Theory, EUROCAST 2019, held in Las Palmas de Gran Canaria, Spain, in February 2019. The 123 full papers presented were carefully reviewed and selected from 172 submissions. The papers are organized in the following topical sections: Part I: systems theory and applications; pioneers and landmarks in the development of information and communication technologies; stochastic models and applications to natural, social and technical systems; theory and applications of metaheuristic algorithms; model-based system design, verification and simulation. Part II: applications of signal processing technology; artificial intelligence and data mining for intelligent transportation systems and smart mobility; computer vision, machine learning for image analysis and applications; computer and systems based methods and electronic technologies in medicine; advances in biomedical signal and image processing; systems concepts and methods in touristic flows; systems in industrial robotics, automation and IoT.

IMDC-IST 2021 Springer Nature

In the environment of energy systems, the effective utilization of both conventional and renewable sources poses a major challenge. The integration of microgrid systems, crucial for harnessing energy from distributed sources, demands intricate solutions due to the inherent intermittency of these sources. Academic scholars engaged in power system research find themselves at the forefront of addressing issues such as energy source estimation, coordination in dynamic environments, and the effective utilization of artificial intelligence (AI) techniques. Intelligent Solutions for Sustainable Power Grids focuses on emerging research areas, this book addresses the uncertainty of renewable energy sources, employs state-of-the-art forecasting techniques, and explores the application of AI techniques for enhanced power system operations. From economic aspects to the digitalization of power systems, the book provides a holistic approach. Tailored for undergraduate and postgraduate students as well as seasoned researchers, it offers a roadmap to navigate the intricate landscape of modern power systems. Dive into a wealth of knowledge encompassing smart energy systems, renewable energy integration, stability analysis of microgrids, power quality enhancement, and much more. This book is not just a guide; it is the solution to the pressing challenges in the dynamic field of energy systems.

Arduino Workshop Springer Nature

Object Detection with Deep Learning Models discusses recent advances in object detection and recognition using deep learning methods, which have achieved great success in the field of computer vision and image processing. It provides a systematic and methodical overview of the latest developments in deep learning theory and its applications to computer vision, illustrating them using key topics, including object detection, face analysis, 3D object recognition, and image retrieval. The book offers a rich blend of theory and practice. It is suitable for students, researchers and practitioners interested in deep learning, computer vision and beyond and can also be used as a reference book. The comprehensive comparison of various deep-learning applications helps readers with a basic understanding of machine learning and

calculus grasp the theories and inspires applications in other computer vision tasks. Features: A structured overview of deep learning in object detection A diversified collection of applications of object detection using deep neural networks Emphasize agriculture and remote sensing domains Exclusive discussion on moving object detection
Asian Sources Electronics Springer Nature
This book contains the proceedings of the Second International Conference on Integrated Sciences and Technologies (IMDC-IST-2021). Where held on 7th–9th Sep 2021 in Sakarya, Turkey. This conference was organized by University of Bradford, UK and Southern Technical University, Iraq. The papers in this conference were collected in a proceedings book entitled: Proceedings of the second edition of the International Multi-Disciplinary Conference Theme: “Integrated Sciences and Technologies” (IMDC-IST-2021). The presentation of such a multi-discipline conference provides a lot of exciting insights and new understanding on recent issues in terms of Green Energy, Digital Health, Blended Learning, Big Data, Meta-material, Artificial-Intelligence powered applications, Cognitive Communications, Image Processing, Health Technologies, 5G Communications. Referring to the argument, this conference would serve as a valuable reference for future relevant research activities. The committee acknowledges that the success of this conference are closely intertwined by the contributions from various stakeholders. As being such, we would like to express our heartfelt appreciation to the keynote speakers, invited speakers, paper presenters, and participants for their enthusiastic support in joining the second edition of the International Multi-Disciplinary Conference Theme: “Integrated Sciences and Technologies” (IMDC-IST-2021). We are convinced that the contents of the study from various papers are not only encouraged productive discussion among presenters and participants but also motivate further research in the relevant subject. We appreciate for your enthusiasm to attend our conference and share your knowledge and experience. Your input was important in ensuring the success of our conference. Finally, we hope that this conference serves as a forum for learning in building togetherness and academic networks. Therefore, we expect to see you all at the next IMDC-IST.
International Conference on Intelligent Computing and Applications Archers & Elevators Publishing House
This book presents new communication and networking technologies, an area that has gained significant research attention from both academia and industry in recent years. It also discusses the development of more intelligent and efficient communication technologies, which are an essential part of current day-to-day life, and reports on recent innovations in technologies, architectures, and standards relating to these technologies. The book includes research that spans a wide range of communication and networking technologies, including wireless sensor networks, big data, Internet of Things, optical and telecommunication networks, artificial intelligence, cryptography, next-generation networks, cloud computing, and natural language processing. Moreover, it focuses on novel solutions in the context of communication and networking challenges, such as optimization algorithms, network interoperability, scalable network clustering, multicasting and fault-tolerant techniques, network authentication mechanisms, and predictive analytics.
Telegeoinformatics Springer Nature
This book covers the proceedings of ICISSI 2022 (International Conference on Intelligent Systems and Smart Infrastructure) held at Prayagraj, Uttar Pradesh during April 21–22, 2022. The conference was jointly organised by Shambhunath Institute of Engineering and Technology, Prayagraj UP India, Institute of Engineering and Technology (IET) Lucknow, U.P India, and Manipal University Jaipur, Rajasthan India with an aim to provide a platform for researchers, scientists, technocrats, academicians and engineers to exchange their innovative ideas and new challenges being faced in the field of emerging technologies. The papers presented in the conference have been compiled in form of chapters to focus on the core technological developments in the emerging fields like machine learning, intelligence systems, smart infrastructure, advanced power technology etc.
Computer Aided Systems Theory – EUROCAST 2019 Springer Nature
This book features selected papers from the International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2021), organized by SRM Institute of Science and Technology, Chennai, India, during April 2021. It covers recent advances in the field of soft computing applications in power systems, power system modeling and control, power system stability, power quality issues and solutions, smart grid, green and renewable energy technology optimization techniques in electrical systems, power electronics controllers for power systems, power converters and modeling, high voltage engineering, networking grid and cloud computing, computer architecture and embedded systems, fuzzy logic control, fuzzy decision support systems, and control systems. The book presents innovative work by leading academics, researchers, and experts from industry.
GPS For Dummies CRC Press
In a world where computer science is now an essential element in all of our lives, a new opportunity to disseminate the latest research and trends is always welcome. This book presents the proceedings of the first International Conference on Recent Trends in Computing (ICRTC 2021), which was held as a virtual event on 21 – 22 May 2021 at Sanjivani College of Engineering, Kopargaon, India due to the restrictions of the COVID-19 pandemic. This online conference, aimed at facilitating academic exchange among researchers, enabled experts and scholars around from around the globe to gather for the discussion of the latest advanced research in the field despite the extensive travel restrictions still in place. The book contains 134 papers selected from 329 submitted papers after a rigorous peer-review process, and topics covered include advanced computing, networking, informatics, security and privacy, and other related fields. The book will be of interest to all those eager to find the latest trends and most recent developments in computer science.
Innovations in Energy Management and Renewable Resources Springer Nature
The Arduino is a cheap, flexible, open source microcontroller platform designed to make it easy for hobbyists to use electronics in homemade projects. With an almost unlimited range of input and output add-ons, sensors, indicators, displays, motors, and more, the Arduino offers you countless ways to create devices that interact with the world around you. In Arduino Workshop, you'll learn how these add-ons work and how to integrate them into your own projects. You'll start off with an overview of the Arduino system but quickly move on to coverage of various electronic components and concepts. Hands-on projects throughout the book reinforce what you've learned and show you how to apply that knowledge. As your understanding grows, the projects increase in complexity and sophistication. Among the book's 65 projects are useful devices like: – A digital thermometer that charts temperature changes on an LCD –A GPS logger that records data from your travels, which can be displayed on Google Maps – A handy tester that lets you check

the voltage of any single-cell battery – A keypad-controlled lock that requires a secret code to open You'll also learn to build Arduino toys and games like: – An electronic version of the classic six-sided die – A binary quiz game that challenges your number conversion skills – A motorized remote control tank with collision detection to keep it from crashing Arduino Workshop will teach you the tricks and design principles of a master craftsman. Whatever your skill level, you'll have fun as you learn to harness the power of the Arduino for your own DIY projects. Uses the Arduino Uno board

Pervasive Computing and Social Networking IGI Global

This book is a collection of best selected research papers presented at Second International Conference on Intelligent Systems and Sustainable Computing (ICISSC 2022), held in School of Engineering, Malla Reddy University, Hyderabad, India, during December 16–17, 2022. The book covers recent research in intelligent systems, intelligent business systems, soft computing, swarm intelligence, artificial intelligence and neural networks, data mining and data warehousing, cloud computing, distributed computing, big data analytics, Internet of things (IoT), machine learning, speech processing, sustainable high-performance systems, VLSI and embedded systems, image and video processing and signal processing and communication.

Intelligent Information and Database Systems Signpost Publications

Transform your tiny Arduino device into a secret agent gadget to build a range of espionage projects with this practical guide for hackers About This Book Discover the limitless possibilities of the tiny Arduino and build your own secret agent projects From a fingerprint sensor to a GPS Tracker and even a robot– learn how to get more from your Arduino Build nine secret agent projects using the power and simplicity of the Arduino platform Who This Book Is For This book is for Arduino programmers with intermediate experience of developing projects, and who want to extend their knowledge by building projects for secret agents. It would also be great for other programmers who are interested in learning about electronics and programming on the Arduino platform. What You Will Learn Get to know the full range of Arduino features so you can be creative through practical projects Discover how to create a simple alarm system and a fingerprint sensor Find out how to transform your Arduino into a GPS tracker Use the Arduino to monitor top secret data Build a complete spy robot! Build a set of other spy projects such as Cloud Camera and Microphone System In Detail Q might have Bond's gadgets– but he doesn't have an Arduino (not yet at least). Find out how the tiny Arduino microcomputer can be used to build an impressive range of neat secret agent projects that can help you go undercover and get to grips with the cutting-edge of the world of espionage with this book, created for ardent Arduino fans and anyone new to the powerful device. Each chapter shows you how to construct a different secret agent gadget, helping you to unlock the full potential of your Arduino and make sure you have a solution for every tricky spying situation. You'll find out how to build everything from an alarm system to a fingerprint sensor, each project demonstrating a new feature of Arduino, so you can build your expertise as you complete each project. Learn how to open a lock with a text message, monitor top secret data remotely, and even create your own Arduino Spy Robot, Spy Microphone System, and Cloud Spy Camera This book isn't simply an instruction manual – it helps you put your knowledge into action so you can build every single project to completion. Style and approach This practical reference guide shows you how to build various projects with step-by-step explanations on each project, starting with the assembly of the hardware, followed by basics tests of all those hardware components and finally developing project on the hardware.

Digital Forensics for Handheld Devices CRC Press

Telegeoinformatics is a new discipline resulting from the integration of mobile computing with wired and wireless communications, geoinformatics (including GIS and GPS), and remote sensing techniques and technologies. Users of telegeoinformatics from every field will need a comprehensive reference to solve multiple types of problems involving locat

IoT BASED VEHICLE THEFT DETECTION AND PREVENTION SYSTEM Artech House

This book shows how to build a "INFelecPHY GPS Unit" (IEP-GPS) tracking system for fleet management that is based on 3G and GPRS modules. This model should provide reliability since it deals with several protocols: 1) HTTP and HTTPS to navigate, download and upload in real time the information to a web server, 2) FTTP and FTTPS to handle in a non-real time the files to the web application, and 3) SMTP and POP3 to send and receive email directly from the unit in case of any alert. Similar to a mobile device, but without screen for display, it is multifunctional because it links to a GPRS module, a camera, a speaker, headphone, a keypad and screen.

Intelligent Systems and Smart Infrastructure Springer Nature

ISBN : 978-967-2145-82-0 Authors : Nurul Azma Zakaria, Zakiah Ayop Internet of Things: Development of IoT Devices is a chapter in book which aims at soliciting theoretical and practical research accomplishments related to design, analysis and implementation of practical solutions of Internet of Things (IoT) devices using various sensors, single board processing unit networking elements with real world examples. The main goal of this chapter in book is to encourage both researchers and practitioners to share and exchange their experiences and recent studies between academic and industry. There are five chapters which address the development of IoT devices in different application areas like transportation, environment or ambient monitoring and sport. These examples would be relevant not only to young researchers or inventors in secondary school, undergraduate and graduate students, but also to researchers and individuals alike.

Arduino: Building LED and Espionage Projects Springer Nature

The two-volume proceedings of the ACIIDS 2015 conference, LNAI 9011 + 9012, constitutes the refereed proceedings of the 7th Asian Conference on Intelligent Information and Database Systems, held in Bali, Indonesia, in March 2015. The total of 117 full papers accepted for publication in these proceedings was carefully reviewed and selected from 332 submissions. They are organized in the following topical sections: semantic web, social networks and recommendation systems; text processing and information retrieval; intelligent database systems; intelligent information systems; decision support and control systems; machine learning and data mining; multiple model approach to machine learning; innovations in intelligent systems and applications; bio-inspired optimization techniques and their applications; machine learning in biometrics and bioinformatics with applications; advanced data mining techniques and applications; collective intelligent systems for e-market trading, technology opportunity discovery and collaborative learning; intelligent information systems in security and defense; analysis of image, video and motion data in life sciences; augmented reality and 3D media; cloud based solutions; internet of things, big data and cloud computing; and artificial intelligent

techniques and their application in engineering and operational research.

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