



Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence)

From Springer

Download now

Read Online 

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer

One of the world's leading problems in the field of national security is protection of borders and borderlands. This book addresses multiple issues on advanced innovative methods of multi-level control of both ground (UGVs) and aerial drones (UAVs). Those objects combined with innovative algorithms become autonomous objects capable of patrolling chosen borderland areas by themselves and automatically inform the operator of the system about potential place of detection of a specific incident. This is achieved by using sophisticated

methods of generation of non-collision trajectory for those types of objects and enabling automatic integration of both ground and aerial unmanned vehicles.

The topics included in this book also cover presentation of complete information and communication technology (ICT) systems capable of control, observation and detection of various types of incidents and threats. This book is a valuable source of information for constructors and developers of such solutions for uniformed services. Scientists and researchers involved in computer vision, image processing, data fusion, control algorithms or IC can find many valuable suggestions and solutions. Multiple challenges for such systems are also presented.

 [Download Advanced Technologies for Intelligent Systems of N ...pdf](#)

 [Read Online Advanced Technologies for Intelligent Systems of ...pdf](#)

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence)

From Springer

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer

One of the world's leading problems in the field of national security is protection of borders and borderlands. This book addresses multiple issues on advanced innovative methods of multi-level control of both ground (UGVs) and aerial drones (UAVs). Those objects combined with innovative algorithms become autonomous objects capable of patrolling chosen borderland areas by themselves and automatically inform the operator of the system about potential place of detection of a specific incident. This is achieved by using sophisticated

methods of generation of non-collision trajectory for those types of objects and enabling automatic integration of both ground and aerial unmanned vehicles.

The topics included in this book also cover presentation of complete information and communication technology (ICT) systems capable of control, observation and detection of various types of incidents and threats. This book is a valuable source of information for constructors and developers of such solutions for uniformed services. Scientists and researchers involved in computer vision, image processing, data fusion, control algorithms or IC can find many valuable suggestions and solutions. Multiple challenges for such systems are also presented.

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer Bibliography

- Rank: #7881790 in Books
- Published on: 2012-08-14
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .69" w x 6.14" l, .0 pounds
- Binding: Hardcover
- 282 pages

 [Download Advanced Technologies for Intelligent Systems of N ...pdf](#)

 [Read Online Advanced Technologies for Intelligent Systems of ...pdf](#)

Download and Read Free Online Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer

Editorial Review

Review

From the reviews:

“This collection of 21 papers comes from research funded by the Polish National Center for Research and Development. ... Command and control designers with an intermediate to advanced mathematical background will find useful information in these papers. ... each of the individual papers does include a list of research references.” (Brad Reid, Computing Reviews, June, 2013)

From the Back Cover

One of the world's leading problems in the field of national security is protection of borders and borderlands. This book addresses multiple issues on advanced innovative methods of multi-level control of both ground (UGVs) and aerial drones (UAVs). Those objects combined with innovative algorithms become autonomous objects capable of patrolling chosen borderland areas by themselves and automatically inform the operator of the system about potential place of detection of a specific incident. This is achieved by using sophisticated methods of generation of non-collision trajectory for those types of objects and enabling automatic integration of both ground and aerial unmanned vehicles.

The topics included in this book also cover presentation of complete information and communication technology (ICT) systems capable of control, observation and detection of various types of incidents and threats. This book is a valuable source of information for constructors and developers of such solutions for uniformed services. Scientists and researchers involved in computer vision, image processing, data fusion, control algorithms or IC can find many valuable suggestions and solutions. Multiple challenges for such systems are also presented.

Users Review

From reader reviews:

Terri Wiggins:

Throughout other case, little people like to read book Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence). You can choose the best book if you appreciate reading a book. So long as we know about how is important a book Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence). You can add information and of course you can around the world by a book. Absolutely right, mainly because from book you can understand everything! From your country until foreign or abroad you can be known. About simple thing until wonderful thing it is possible to know that. In this era, we can easily open a book or even searching by internet system. It is called e-book. You should use it when you feel uninterested to go to the library. Let's examine.

Richard Holeman:

Book is written, printed, or outlined for everything. You can understand everything you want by a book. Book has a different type. As you may know that book is important factor to bring us around the world. Alongside that you can your reading talent was fluently. A guide Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) will make you to possibly be smarter. You can feel far more confidence if you can know about every little thing. But some of you think this open or reading the book make you bored. It isn't make you fun. Why they might be thought like that? Have you looking for best book or ideal book with you?

Stacey Williams:

This book untitled Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) to be one of several books which best seller in this year, that's because when you read this e-book you can get a lot of benefit in it. You will easily to buy this specific book in the book retail outlet or you can order it by using online. The publisher in this book sells the e-book too. It makes you more readily to read this book, since you can read this book in your Smartphone. So there is no reason for your requirements to past this publication from your list.

Ronnie Correa:

A lot of people always spent their particular free time to vacation or go to the outside with them family or their friend. Are you aware? Many a lot of people spent that they free time just watching TV, or even playing video games all day long. If you wish to try to find a new activity honestly, that is look different you can read a book. It is really fun for you. If you enjoy the book which you read you can spent the entire day to reading a guide. The book Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) it doesn't matter what good to read. There are a lot of those who recommended this book. We were holding enjoying reading this book. In the event you did not have enough space to deliver this book you can buy the particular e-book. You can m0ore easily to read this book out of your smart phone. The price is not very costly but this book has high quality.

Download and Read Online Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer #RNYVD0FX1AI

Read Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer for online ebook

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer books to read online.

Online Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer ebook PDF download

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer Doc

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer MobiPocket

Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer EPub

RNYVD0FX1AI: Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) From Springer