



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

From Springer



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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.

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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

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Users Review

From reader reviews:

Jacqueline Bull:

Spent a free time to be fun activity to perform! A lot of people spent their down time with their family, or their particular friends. Usually they performing activity like watching television, about to beach, or picnic inside park. They actually doing same task every week. Do you feel it? Will you something different to fill your personal free time/ holiday? Can be reading a book might be option to fill your cost-free time/ holiday. The first thing that you'll ask may be what kinds of book that you should read. If you want to test look for book, may be the book untitled Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence) can be very good book to read. May be it could be best activity to you.

Matthew German:

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Vanessa Gibson:

The book untitled *Advanced Technologies for Intelligent Systems of National Border Security (Studies in Computational Intelligence)* contain a lot of information on the idea. The writer explains your ex idea with easy method. The language is very easy to understand all the people, so do definitely not worry, you can easy to read the item. The book was written by famous author. The author provides you in the new time of literary works. It is easy to read this book because you can continue reading your smart phone, or model, so you can read the book in anywhere and anytime. If you want to buy the e-book, you can available their official website as well as order it. Have a nice learn.

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