

CALL FOR CHAPTERS

Unmanned Aerial Vehicles Applications: Challenges and Trends – Springer Nature



Dear fellow researchers,

The objective of this book is to provide a unique reference to the readers about the applications of unmanned aerial vehicles. While there are several books on unmanned aerial vehicles in the literature, this topic is one of the most fast growing and emerging technologies nowadays. For this reason, our goal is to provide an up-to-date reference about latest accomplishments and trends related to unmanned aerial systems and their applications.

The book will aim to focus on the real-world applications and their challenges and how unmanned systems have enabled new market trends, in several areas, such as surveillance, defense, agriculture, surveying, logistics and delivery, to name a few.

TENTATIVE CHAPTERS

- Drone based Deliveries: Opportunities and Challenges
- Trust-mediated Communication Interfaces for UAV Search and Rescue
- Tetrahedral UAS, a fractal design
- UAV for Human activity recognition
- Security Challenges for UAV Systems Communications: Potential Attacks & Countermeasures
- Drones and Cyberwarfare: Ethical considerations
- Confidentiality of Data Communications in Autonomous Drone-assisted Wireless Sensor Networks
- Road Inspection using Deep Learning and UAV images
- UAV based monitoring of distributed parameter systems
- An efficient method for secure location verification based on UAV
- Applications of unmanned aerial vehicles (UAVs) in search and rescue scenarios
- Health Assessment of Plants using Unmanned Aerial Vehicles (UAVs)

GUEST EDITORS

Dr. Mohamed Abdelkader

RIOTU Lab, Prince Sultan University, Riyadh, Saudi Arabia

E-mail: mohamedashraf123@gmail.com

Prof. Anis Koubaa

RIOTU Lab, Prince Sultan University, Riyadh, Saudi Arabia

E-mail: akoubaa@psu.edu.sa

SUBMISSION GUIDELINES

Authors are invited to submit original manuscripts, in English. For details on how to prepare the manuscripts and style files refer to the instruction page for authors. This page also includes the LATEX templates and further instructions. Authors should submit their original work that must not be submitted or currently under consideration for publication elsewhere.

Submissions of the book chapters will be done using the EasyChair system, using the following submissions link:

<https://easychair.org/my/conference?conf=uavapps22>

Any questions about this book, please feel free to contact: mabdelkader@psu.edu.sa

IMPORTANT DATES

- Abstract deadline: April 30, 2022
- Chapters submission deadline: July 31, 2022
- Review deadline: September 30, 2022
- Revised version submission deadline: October 31, 2022
- Final review: November 30, 2022
- Final notification: December 15, 2022

GUIDE
FOR
AUTHORS



SUBMIT
YOUR
PAPER
HERE

