



Call for Chapters for forthcoming book:

Unmanned Aerial Vehicles in Smart cities

- **Editor**

Prof. Fadi Al-Turjman (Computer Engineering Department, Antalya Bilim University, Antalya, Turkey, fadi.alturjman@antalya.edu.tr)

- **Publisher**

The book will be published in the Springer Unmanned System Technologies book series.

- **Theme**

Unmanned Aerial Vehicles (UAVs)- based projects are not just a dream any more. It is a great opportunity in the emerging smart city paradigm. Risk management and coordination, public/private infrastructure control, military services, coordination and/or support for intelligent transportation systems are a few of the many applications in which UAV may end up a key enabling technology very soon. As the computation and the communication process of UAVs networks involve intelligent decision making, the human-to-machine perception on the realization of large-scale smart environment is bridged as a key challenge for intelligent UAVs in the smart city project.

In this book, we aim at providing the reader an insight overview of what is going on in UAVs and smart cities in terms of applications and theoretical challenges. And every effort that can be spent in assessing the graceful degradation in the emerging UAVs communication paradigm.

- **Topics**

Topics of interest include, but are not limited to, the following:

Pattern recognition in UAVs applications; UAV-based Machine vision; UAV image and signal processing; UAV networks; UAV-based information processing in smart-cities; Machine learning in UAV enabled cities; Telecommunications in UAVs; UAV-enabled transportation systems; Space, weather, climate systems, and global changes monitored by UAVs; UAV system simulation; Structural engineering using UAVs; UAVs graphics and multimedia; Semiconductor technology, electronic circuits, and system design in UAVs; Dynamic UAV systems; Computational UAV finance; Information mining and UAV applications; UAV networks modeling; Geographical Information Systems (GIS) and remote sensing using UAVs; Military and defense related applications; Ubiquitous UAV computing; Virtual reality; UAV-based modeling; UAVs economics; UAV-based computational statistics; UAV-based positioning/data collection; and Emerging applications in Smart cities.

- **Target Audience**

The target audience includes researchers, practitioners and (Masters/PhD) students. Therefore, papers need to address both scientific and practical implications of the research.

- **Type of contributions and length**

Book Chapter.

Chapter length: In general, your chapter should be approximately **25-35 double-spaced Microsoft Word pages, inclusive of references.**

Figures/Tables/Charts/illustrations: **All illustrations submitted in color will be reproduced in color in all iterations of the volume—at no cost to you.** Figures must be sent as separate files (preferably TIFF or EPS with a resolution of at least 300 dpi; PDF, JPG, and PowerPoint files may also be acceptable for certain simple figures) and *must not* be embedded in the chapter.

Abstracts: Your chapter should include a succinct **abstract**—a preview for your chapter—that contains approximately 150-200 words/11 lines. *The abstract is important, as it will appear in Google Scholar and in other abstract and indexing databases.* I should point out that abstracts are mandatory for our online book chapters to entice readers with an overview of the chapter contents. If an abstract is not supplied, we will go ahead and use the first paragraph for this purpose. Since often the first paragraph is not a summary of the chapter contents, many authors wish to supply the abstract.

Callouts: You must indicate in the chapter where each figure, table, chart, etc. should be placed (for example, **Insert Figure 1 here** or **Insert Figure 4.5 here**).

Keywords: In the beginning of your chapter, please include 5-10 **keywords**. Keywords are important as they are indexed in **Google Scholar** and other search engines. This will also be used to generate a subject **Index**.

Corresponding author information: On the title page of your chapter, please indicate who among the chapter authors is the corresponding author of chapter (that is, the chapter author responsible for submitting the chapter and whose contact information appears along with his/her name on the chapter). Please also include all appropriate contact information (email addresses) and affiliation information for the co-authors. (*Note: The corresponding author alone signs the Consent to Publish form for all contributors to a chapter.*)

- **Review Process**

There will be a two-stage review process. In the first stage potential authors will be invited to submit an abstract of 500 words. The editor will review the abstract to evaluate if the proposed book chapter (1) fits to the theme of the book, (2) makes a substantial practical or scientific contribution and (3) is of interest to the target audience.

In the second stage the selected authors will be invited to submit a full version of the proposed book chapter. (It is expected that the book will have 12 to 15 chapters.) This full version will be reviewed by a reviewer, who is selected based on the topic of the book chapter, as well as the book editors. The review process by the reviewers (other than the editors) is double blind. Based on the outcome of the review process, the authors will be requested to revise their book chapters and to submit the final version. If the editors are satisfied with the revision of the book chapter, the authors will be invited to submit a camera-ready version of the paper.

- **Deadlines**

Submission of abstracts (500 words): **March 15, 2019**

Submission of full chapter: **April 20, 2019**

Acceptance notification: **May 20, 2019**

Final Book Manuscript should be submitted on or before June. 1, 2019.

- **Submission and formatting**

Abstracts should be submitted as plain Word (2010 or higher) or PDF files by e-mail to fadi@metu.edu.tr. The abstract should contain: 1) Title of the proposed chapter 2) Author(s) of the chapter (including affiliation) 3) Type of contribution (case study, full research paper or conceptual paper) 4) Estimated amounts of pages (excl. references) 5) Abstract of 500 words describing contents of the book chapter (incl. methodology) 6) Keywords (at least 2 and maximum of 5)

Full book chapters will also be submitted through e-mail to fadi.alturjman@antalya.edu.tr. Full book chapters need to be formatted according the Springer instructions and submitted in Word (2010 or higher) or PDF format. These formatting instructions will be e-mailed together with the acceptance notification of your abstract. For further questions, please contact Prof. Fadi Al-Turjman (fadi.alturjman@antalya.edu.tr).

