



sensors



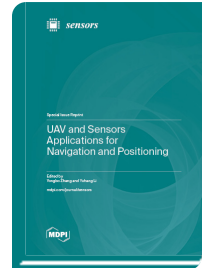
Special Issue Reprint

UAV and Sensors Applications for Navigation and Positioning

www.mdpi.com/books/reprint/11144

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ISBN 978-3-7258-4137-0 (Hardback)
ISBN 978-3-7258-4138-7 (PDF)



The following reprint highlights significant recent advances in sensor technology and intelligent algorithms for unmanned systems and robotics. Covering critical developments such as multi-robot simultaneous localization and mapping (SLAM), visual odometry techniques for unmanned aerial vehicles (UAVs), and novel algorithms for trajectory planning, the research presented demonstrates robust approaches to complex localization, navigation, and positioning challenges. Innovations discussed include UAV swarm coordination strategies, deep compressed communication for efficient multi-robot collaboration, and advanced neural network applications enhancing visual and spatial data processing. Addressing both theoretical frameworks and real-world experimental validations, this Special Issue provides researchers and practitioners with current insights into improving the autonomy, accuracy, and operational resilience of robotic systems across diverse and demanding environments.



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