

TÍTULO	AÑO
<p><b>Realistic Unmanned Aerial Vehicle Simulation: A Comprehensive Approach</b></p> <p>D Tejero-Ruiz, FJ Pérez-Gran, A Viguria, A Ollero</p> <p>2024 7th Iberian Robotics Conference (ROBOT), 1-6</p>	2024
<p><b>Photoconsistent and Trajectory Guided Novel-View Synthesis Tool for UAV Cinematography Based on Autoregressive Transformers</b></p> <p>MA Montes-Grova, V Mygdalis, FJ Pérez-Grau, A Viguria, I Pitas</p> <p>2024 IEEE 34th International Workshop on Machine Learning for Signal ...</p>	2024
<p><b>A Novel Unmanned Aerial System for Power Line Inspection and Maintenance Operations</b></p> <p>JM Marredo, A Petrus, MA Trujillo, A Viguria, A Ollero</p> <p>2024 International Conference on Unmanned Aircraft Systems (ICUAS), 602-609</p>	2024
<p><b>Petrochemical industry aerial robotic inspection: A novel concept for landing and deploying robots on pipes</b></p> <p>MA Montes-Grova, J Ortuño-Conde, D Tejero-Ruiz, J Olmedo-Pradas, ...</p> <p>2024 International Conference on Unmanned Aircraft Systems (ICUAS), 1377-1384</p>	2024
<p><b>Road Pavement Inspection with UAVs Beyond Visual Line of Sight in Long-Range Operations</b></p> <p>J Curado-Soriano, FJ Pérez-Grau, A Viguria</p> <p>European Robotics Forum, 263-268</p>	2024
<p><b>AI-Enhanced Ergonomics: Revolutionizing Industrial Safety Through Real-Time Posture Analysis and PPE Detection</b></p> <p>Rafael Luque, José Ramón Vilanova, Gonzalo Díaz, and Eduardo Ferrera</p>	2024
<p><b>Application of intelligent aerial robots to the inspection and maintenance of electrical power lines</b></p> <p>A Ollero, A Suarez, JM Marredo, G Cioffi, R Penicka, G Vasiljevic, ...</p> <p>Robotics and Automation Solutions for Inspection and Maintenance in Critical ...</p>	2024
<p><b>Aerial-core: Ai-powered aerial robots for inspection and maintenance of electrical power infrastructures</b></p> <p>A Ollero, A Suarez, C Papaioannidis, I Pitas, JM Marredo, V Duong, ...</p> <p>arXiv preprint arXiv:2401.02343</p>	2024
<p><b>Airframe-fast prototyping framework for uavs definition</b></p> <p>A Berra, PJ Sanchez-Cuevas, MA Trujillo, G Heredia, A Viguria</p> <p>2023 International Conference on Unmanned Aircraft Systems (ICUAS), 1175-1182</p>	2023
<p><b>Lowering the entry barrier to aerial robotics competitions</b></p> <p>FJ Pérez-Grau, PL Barriga, A Viguria</p> <p>2023 International Conference on Unmanned Aircraft Systems (ICUAS), 487-492</p>	2023

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<b>Towards safe operations in urban environments with uavs</b> R Caballero, P Jiménez, FJ Pérez-Grau, A Viguria, A Ollero 2023 International Conference on Unmanned Aircraft Systems (ICUAS), 336-342	2023
<b>Perspective Chapter: European Robotics League–Benchmarking through Smart City Robot Competitions</b> M Studley, S Carter, FJ Perez-Grau, AV Jiménez, G Ferri, F Ferreira, ... Human-Robot Interaction-Perspectives and Applications	2023