



**Skillwise**<sup>®</sup>  
*Imparting Skills-Impacting lives!*



# DRONES AND AUTONOMOUS VEHICLES

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- Introduction to Drones and Autonomous Vehicles
- Drone Flight Safety and Regulations
- Aerial Mapping and Surveying with Drones
- Drone Photography and Videography
- Search and Rescue with Drones
- Agricultural Applications of Drones
- Drone Delivery Systems and Applications
- Autonomous Vehicle Navigation and Control
- Urban Air Mobility Concepts and Applications
- Drone Maintenance and Repair
- Drone Racing and Competition
- Unmanned Aerial Systems (UAS) Ground School
- Introduction to Autonomous Vehicles
- Autonomous Vehicle Sensors and Perception
- Autonomous Vehicle Motion Planning and Control
- Autonomous Vehicle Localization and Mapping
- Autonomous Vehicle Communication and Networking
- Autonomous Vehicle Testing and Verification
- Autonomous Vehicle Safety and Security

# DRONES AND AUTONOMOUS VEHICLES

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- Machine Learning for Autonomous Vehicles
- Deep Learning for Autonomous Vehicles
- Reinforcement Learning for Autonomous Vehicles
- Computer Vision for Autonomous Vehicles
- Sensor Fusion for Autonomous Vehicles
- Connected and Autonomous Vehicles (CAV)
- Advanced Driver Assistance Systems (ADAS)
- Intelligent Transportation Systems (ITS)
- Traffic Management for Autonomous Vehicles
- Human-Machine Interaction for Autonomous Vehicles
- Autonomous Vehicles and Ethics
- Autonomous Vehicles and Liability
- Autonomous Vehicles and Insurance
- Autonomous Vehicles and Public Policy
- Autonomous Vehicles and Urban Planning
- Autonomous Vehicles and the Environment
- Autonomous Vehicles and Healthcare
- Autonomous Vehicles and Mobility as a Service (MaaS)
- Autonomous Vehicles and Fleet Management



# DRONES AND AUTONOMOUS VEHICLES

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- Autonomous Vehicles and Logistics
- Autonomous Vehicles and Supply Chain Management
- Autonomous Vehicles and Smart Cities
- Autonomous Vehicles and the Future of Work
- Advanced Autonomous Navigation and Control
- Air Traffic Management for Urban Air Mobility
- Automated Drones for Inspection and Maintenance
- Automated Drones for Surveillance and Security
- Autonomous Aerial Delivery Networks
- Autonomous Heavy Equipment Operations
- Autonomous Mobile Robots (AMR)
- Autonomous Navigation for Marine Vessels
- Autonomous Precision Agriculture Systems
- Autonomous Remote Sensing and Mapping
- Autonomous Traffic Signal Control
- Autonomous Vehicle Business Models and Strategies
- Autonomous Vehicle Cybersecurity
- Autonomous Vehicle Design and Prototyping
- Autonomous Vehicle Energy and Sustainability

# DRONES AND AUTONOMOUS VEHICLES

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- Autonomous Vehicle Fleet Operations and Management
- Autonomous Vehicle Hardware Development
- Autonomous Vehicle Human Factors and User Experience
- Autonomous Vehicle Maintenance and Diagnostics
- Autonomous Vehicle Platooning
- Autonomous Vehicle Simulation and Testing
- Autonomous Vehicle Software Development
- Autonomous Vehicle Supply Chain and Manufacturing
- Autonomous Vehicle Swarms
- Control and Management of UAV Swarms
- Cybersecurity for UAV Systems
- Design and Control of Biologically-Inspired Robots
- Detection and Avoidance of Obstacles for Autonomous Systems
- Drone Applications in Law Enforcement
- Drone Emergency Response
- Drone Ethics and Privacy
- Drone Hardware Development
- Drone Security and Countermeasures
- Drone Software Development

# DRONES AND AUTONOMOUS VEHICLES

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- Drone Surveillance and Privacy
- Drone Swarms
- Drone Traffic Management and Integration
- Drone-Based Inspections of Infrastructure
- Drone-Based Surveillance and Reconnaissance
- Electric Powertrain Design for Autonomous Vehicles
- Energy Management for Autonomous Systems
- Ethics and Autonomous Vehicle Decision Making
- Fleet Coordination for Autonomous Delivery Systems
- Flight Control for Fixed-Wing UAVs
- Flight Dynamics and Control for Quadrotors
- Geospatial Analysis for Autonomous Systems
- Haptic Feedback for Human-Autonomous Vehicle Interaction
- Human-AI Collaboration in Autonomous Vehicles
- Human-Centered Design for Autonomous Systems
- Intelligent Infrastructure for Autonomous Systems
- Interactive Perception for Autonomous Systems
- Light Detection and Ranging (LIDAR) for Autonomous Navigation
- Machine Learning for Dynamic Roadway Conditions



# DRONES AND AUTONOMOUS VEHICLES

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- Multi-Agent Control for Autonomous Systems
- Multi-Modal Autonomous Transportation Systems
- Multi-Sensor Data Fusion for Autonomous Systems
- Navigation and Control of Autonomous Boats
- Neural Networks for Autonomous Systems
- Neuromorphic Computing for Autonomous Vehicles
- Object Detection and Recognition for Autonomous Systems
- Optimization and Control of Autonomous Systems
- Path Planning and Trajectory Optimization for Autonomous Systems
- Perception Algorithms for Autonomous Vehicles
- Perception and Estimation for Autonomous Systems
- Precision Landing for Autonomous Aerial Vehicles
- Predictive Maintenance for Drones and Autonomous Vehicles
- Reinforcement Learning for Autonomous Systems
- Safety Assessment for Autonomous Systems
- Sensor Technologies for Autonomous Systems
- Teleoperation and Supervision for Autonomous Systems
- Terrain Mapping and Navigation for Autonomous Systems
- Uncertainty Estimation for Autonomous Systems

# DRONES AND AUTONOMOUS VEHICLES



- Unmanned Ground Vehicles (UGV)
- Unmanned Surface Vehicles (USV)
- Unmanned Underwater Vehicles (UUV)
- Urban Infrastructure for Autonomous Systems







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## Contact us

For the best course that you can have,  
you may contact us with our details below

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