

Radar Systems in Modern Defense

Introduction to Radar Systems

Radar (Radio Detection and Ranging) is a system that uses radio waves to detect objects. Applications include air traffic control, missile guidance, and weather forecasting.

Components of Radar Systems:

- Transmitter
- Receiver
- Antenna
- Signal Processor

Challenges:

Radar systems must overcome clutter, interference, and jamming from enemy sources.

Conclusion:

Modern radar systems are essential for both civilian and military applications.