Mindluster Platform

About the course RADAR fundamenetals

RADAR fundamenetals course in hindi, in this course we delve into the essential principles and operation of RADAR technology for various applications.

Engineering Category's Courses

Course Lesson(37)

Lesson 1 : **Higher Surveying Introduction Video**

Lesson 2 : **Lec 1 Introduction to Higher Surveying**

Lesson 3 : **Lec 2 Understanding reference system reference frame and coordinate system for Earth**

Lesson 4 : **Lec 3 Coordinate and datum transformations**

Lesson 5 : **Lec 4 Projected coordinate system**

Lesson 6 : **Lec 5 Fundamentals of astronomy**

Lesson 7 : **Lec 6 Applications of concepts of astronomy**

Lesson 8 : **Lec 7 Time**

Lesson 9 : **Lec 8 Application of concepts of astronomy and time**

Lesson 10 : **Lec 9 Fundamental concepts of error accuracy and error propagation**

Lesson 11 : **Lec 10 Applications of error propagation**

Lesson 12 : **Lec 11 Observation Equation Method of adjustments**

Lesson 13 : **Lec 12 Condition Equation Method and Combined Method of adjustments**

Lesson 14 : **Lec 13 Analysis of adjustments and reporting of errors**

Lesson 15 : **Lec 14 Global Positioning system GPS**

Lesson 16 : **Lec 15 Introduction to Photogrammetry**

Lesson 17 : **Lec 16 Vertical photogrammetry**

Lesson 18 : **Lec 17 Stereo photogrammetry**

Lesson 19 : **Lec 18 Analytical photogrammetry I**

Lesson 20 : **Lec 19 Analtical photogrammetry II**

Lesson 21 : **Lec 20 Photogrammetric products**

Lesson 22 : **Lec 21 Image matching**

Lesson 23 : **Lec 22 Close range photogrammetry**

Lesson 24 : **Lec 23 Fundamentals of LiDAR**

Lesson 25 : **Lec 24 LiDAR data acquisition**

Lesson 26 : **Lec 25 Geolocation and errors of LiDAR data**

Lesson 27 : **Lec 26 Information extraction from LiDAR data**

Lesson 28 : **Lec 27 RADAR fundamenetals I**

Lesson 29 : **Lec 28 RADAR fundamentals II**

Lesson 30 : **Lec 29 Radargrammetry**

Lesson 31 : **Lec 30 Imaging RADAR Interferometry**

Lesson 32 : **Lec 31 Geoscience perspective for RADAR applications**

Lesson 33 : **Lec 32 Fundamental concepts of hydrographic survey**

Lesson 34 : **Lec 33 Field procedures for hydrographic Surveying**

Lesson 35 : **Lec 34 Modern techniques for hydrographic Survey**

Lesson 36 : **Lec 35 Navigation**

Lesson 37 : **Lec 36 Conclusive lecture**

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business@mindluster.com