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ROSTER OF PARTICIPANTS
24TH INTERNATIONAL REMOTE SENSING WORKSHOP
September 3 - October 4, 1985

CANADA

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Mohamed El Amin Mohamed Nur

TAIWAN

Ru Yih Wang
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THAILAND

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Jovo Maric

EROS DATA CENTER

Mark Barber

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WEEK I

	TUESDAY, SEPT 3		WEDNESDAY, SEPT 4		THURSDAY, SEPT 5	
0830	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Orientation R. Beck D. Hastings F. Sadowski Welcome (D. Lauer) Administrative Overview Course Objectives Introductions of Staff Student Introduction EDC Tour		Fundamentals D. Orr W. Draeger Field Exercise on Radiometric Measurements Classroom Exercise Review Radiometrics Exercise EDC Pixel Array		Fundamentals W. Draeger Photo/Image Geometry Exercise on Image Measurement	
1230	Lunch		Lunch		Lunch	
1330	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Fundamentals D. Orr Definition Energy Path Concept -Source of EMR -Atmospheric Affects -Interactions		Fundamentals D. Orr Sensors for Recording EMR -Cameras -Films -Multispectral Scanners Exercise on the Multispectral Concept Quiz on Fundamentals of Image Formation		Fundamentals (Cont.) Quiz on Image Geometry	
					1430 Free Time	
1615						

Monday, 7:00 p.m. - OIG Orientation Session
Dublin Room
Townhouse Motel

FRIDAY, SEPT 6		SATURDAY, SEPT 7	
Bioscience	Geoscience	Bioscience	Geoscience
	Landsat W. Draeger Landsat System Landsat Sensors -RBV -MSS -TM Workshop Exercise		Sioux Falls Image Exercise R. Beck 9:00 - 11:30 a.m.
Lunch		Lunch	
Bioscience	Geoscience	Bioscience	Geoscience
	Landsat (Cont.) Status of the Landsat System Quiz on the Landsat System Other Satellite Systems - SPOT - AVHRR		
	1530 Landsat User Services		

Icebreaker Session - F. Sadowski

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WEEK II

	MONDAY, SEPT 9		TUESDAY, SEPT 10		WEDNESDAY, SEPT 11	
0830	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Fundamentals of Land Cover Analysis W. Anderson Interdisciplinary Systematic Approach Regional Aspects		Electromagnetic Energy/Vegetation Interactions F. Sadowski W. Anderson Spectral Properties of -Vegetation -Soils -Canopies Multi-Temporal Concept	Geological Analysis and Interpretation D. Hastings Introduction Drainage	Agricultural Interpretation W. Anderson Information Needs Associated with Agriculture Exercise: Belle Fourche Irrigation	Geological Analysis and Interpretation (Cont.) Landforms
1230	Lunch		Lunch		Lunch	
1330	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Fundamentals of Land Cover Analysis (Cont.) Local Aspects Analysis/Summations Interpretation Exercise: Pattern Analysis		Electromagnetic Energy/Vegetation Interactions (Cont.) Principles of Vegetation Mapping	Geological Analysis and Interpretation (Cont.) Linear Features	Range Interpretation R. Haas Information Needs for Range Management Satellite Data Applications Resource Monitoring Concepts TM Exercise - Crow Creek Reservation	Geological Analysis and Interpretation (Cont.) Cover Patterns Interpretation
1430			Free Time			
1615						

THURSDAY, SEPT 12		FRIDAY, SEPT 13	
Bioscience	Geoscience	Bioscience	Geoscience
Forestry Interpretations F. Sadowski Overview of Information Needs Understanding the Factors that Influence Spectral Response of Forested Regions	Black Hills Analysis D. Hastings	Land Use Interpretations J. Sturdevant Land Use Concepts Land Use Classification Schemes Source Data Acquisition Land Use Inventory & Mapping Project Examples Exercise: Rapid City	Black Hills Analysis D. Hastings (Cont.)
Lunch		Lunch	
Bioscience	Geoscience	Bioscience	Geoscience
Forestry (Cont.) Interpretations Exercise: Northern Black Hills Soils Interpretation E. Horvath Soils Origin Physiography Spectral Reflectance of Soils Mapping Soils with the Aid of Remotely Sensed Data Exercise: Minnehaha Soils	Black Hills Analysis (Cont.)	Field Trip Preparation Staff	

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WEEK III

SUNDAY, SEPT 15		MONDAY, SEPT 16		TUESDAY, SEPT 17	
Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
		Field Trip		Field Trip	
		Soilscapes - Rapid City Overlook		South Deadwood Forestry	Jewell Cave Area
			Angostora Reservoir		Needles
					Lookout Mountain
					Mt. Rushmore
Lunch	Sioux Falls	Mt. Rushmore	Hot Springs	Deadwood	Keystone/Rushmore
Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
1200 Field Trip		Custer Park Range	Battle Mountain	North Deadwood Forestry	Wind Cave Area
Chamberlain Overlook			East Pass		Custer Area
			Pleasant Valley		
Badlands Traverse					
Overnight	Wall	Custer	Custer	Deadwood	Custer

OP

WEDNESDAY, SEPT 18		THURSDAY, SEPT 19	
Bioscience	Geoscience	Bioscience	Geoscience
Field Trip		Field Trip	
Belle Fourche Irrigation District	Bald Hills	Spearfish Agriculture	Spearfish Canyon
	Bear Butte		Sundance
	Boulder Park		
Lead	Deadwood		Devil's Tower
Bioscience	Geoscience	Bioscience	Geoscience
Lead-Deadwood Area	Lead-Deadwood	Spearfish Canyon	Devil's Tower
		Rapid City Land Use	
Deadwood	Deadwood	Wall	Wall

Friday, Sept 20—
Return to Sioux Falls

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WEEK IV

	MONDAY, SEPT 23		TUESDAY, SEPT 24		WEDNESDAY, SEPT 25	
0830	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Review of Field Trip Staff Introduction to Digital Image Processing W. Draeger Overview of Digital Analysis Procedure Digital Image Characteristics -Numeric Format -CCT		Digital Image Enhancement W. Draeger Radiometric Corrections Contrast Stretching Spatial Filtering Data Transformation -Brightness/Greenness		Digital Data Bases J. Sturdevant Spatial Data Handling Geographic Information System Demonstrations -Boulder Park -Deadwood GIS	
1230	Lunch		Lunch		Lunch	
1330	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Introduction to Digital Image Processing (Cont.) Digital Image Registration Exercise: Numerical Land Cover Patterns Exercise: Control Point Selection	Hydrologic Exploration GSS Hydrologist D. Hastings	Digital Information Extraction Techniques W. Draeger Classification -Level-Slicing -Probability Density Classifiers Exercise: Defining Classifier Decision Space	Mineral Exploration D. Hastings Petroleum Exploration D. Hastings	Computer Systems for Digital Image Processing D. Greenlee E. Holm Hardware Components IDIMS RIPS Demonstration	
1615						

THURSDAY, SEPT 26		FRIDAY, SEPT 27	
Bioscience	Geoscience	Bioscience	Geoscience
Quantifying Resource Information with Remotely Sensed Data D. Johnston Parameters that Describe a Resource Population Estimating Parameters of a Resource Population Sampling Resource Populations		Accuracy Assessment D. Johnston Definition of Accuracy Computing Accuracy Sample Size for Estimating Accuracy Exercise: Evaluation of Classification Accuracy	
Lunch		Lunch	
Bioscience	Geoscience	Bioscience	Geoscience
Quantifying Resource Information with Remotely Sensed Data (Cont.) Multistage and Multiphase Sampling Exercise: Estimating Irrigated Land Area with Landsat and Aerial Photography Slide-Tape Presentation	Geological and Hydrological GIS Case Histories Staff	F R E E T I M E	

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WEEK V

	MONDAY, SEPT 30		TUESDAY, OCT 1		WEDNESDAY, OCT 2	
0830	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Country Imagery Analysis		Country Imagery Analysis		Country Imagery Analysis	
1230	Lunch		Lunch		Lunch	
1330	Bioscience	Geoscience	Bioscience	Geoscience	Bioscience	Geoscience
	Country Imagery Analysis Case Study Presentation		Thermal IR D. Orr Definitions Black Body Radiation Thermal IR Sensors Thermal IR Image Interpretation Radar D. Orr Microwave Radiation Real vs. Synthetic Aperature Sensors Radar Image Interpretation		Country Imagery Analysis	
1430					Free Time	
1615						

THURSDAY, OCT 3	
Bioscience	Geoscience
Discussion of Country Imagery Student Presentations	
Lunch	
Discussion of Country Imagery Student Presentations (Cont.)	
1530 Pack Up Materials	

FRIDAY, OCT 4	
Bioscience	Geoscience
Closing Ceremonies Staff Awarding of Certificates Course Evaluation Class Photo	
1100 Depart EDC	
Lunch	
Depart Sioux Falls	