Topical Workshops, Symposia, and Conferences (TWSC)
ASU / UA / USGS

Location: Bateman Physical Sciences, H-wing, Rm H-461
Dates: Aug. 8-11, 2023

Workshop - Schedule

Monday, Aug. 7: Travel Day to ASU

Tuesday, Aug. 8: Welcome & JMARS

8:30 – 8:45 Welcome, Introductions, Overview Dr. David Williams, ASU

8:45 – 10:15 Introduction to JMars
 JMARS History; Basic UI Overview; Tools and Customization; Adding Additional Layers; Map Data
 Scott Dickenschied, ASU

10:15 – 10:30 Break

10:30 – 11:30 Stamp Data

11:30 – 11:45 Q&A / Comments before Break

11:45 – 1:15 Lunch Break → see Restaurant location map

1:15 – 2:30 Shape Data; Crater Counting; Modelling Layers;

2:30 – 2:45 Break

2:45 – 4:30 Landing Site Analysis; Viewing 3D Data

4:30 – 5:00 Final Q & A

Closing Comments

End of workshop day
Wednesday, Aug. 9: ArcGIS Pro

8:30 – 8:45  Welcome, Overview

8:45 – 10:15  Lecture: What is GIS?  
               Exercise 1: The Interface  
               David Nelson, ASU

10:15 – 10:30  Break

10:30 – 11:30  Exercise 1: The Interface, continued
               Exercise 2: Working With Raster data

11:30 – 11:45  Q&A / Comments before Break

11:45 – 1:15  Lunch Break → see Restaurant location map

1:15 – 2:30  Exercise 2: Working with Raster data, continued
               Exercise 3: Working with Vector data

2:30 – 2:45  Break

2:45 – 4:20  Exercise 3: Working with Vector data, continued
               Exercise 4: Working with combined datasets

2:20 – 4:30  Final Q & A

End of workshop day
Thursday, Aug. 11: ISIS 3 for Image Processing

8:30 – 8:45 Welcome, Overview

8:45 – 10:15 Lecture: ISIS3 software and environment; data formats
David Nelson, ASU

10:15 – 10:30 Break

10:30 – 11:30 Exercise: Command line and GUI; image processing (Levels 0-4): ingestion, calibration, and mosaicking

11:30 – 11:45 Q&A / Comments before Break

11:45 – 1:15 Lunch Break → see Restaurant location map

1:15 – 2:30 Zoom lecture: Planetary Data Management
Marc Hunter, USGS

2:30 – 2:45 Break

2:45 – 4:30 Zoom lecture: Intro to the Planetary Data System
Trent Hare, USGS

4:30 – 5:00 Final Q & A

Closing Comments

End of workshop day
**Friday, May 23:**  
**Structure-from-Motion: Intro to Photogrammetry**

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<td>8:30 – 8:45</td>
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<td>8:45 – 10:15</td>
<td>Lecture/Demo: Photogrammetry</td>
<td>Brett Carr, UofA</td>
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Closing Comments  
Dr. David Williams, ASU

End of workshop