



## Imagery, Lidar and 3D Mapping Events and Activities

The Esri User Conference has many presentations and events with hundreds of topics covered. To help you find your way to the Imagery and 3D sessions and events, we have prepared a more focused agenda.

### Esri Imaging and Mapping Forum

June 25–26, 2016      Manchester Hyatt San Diego  
Innovative Solutions for a Multidimensional World

At this unique forum, you'll get a close look at capture and mapping technologies using imaging, Lidar, 3D, and multidimensional analysis and modeling to solve organizational challenges. Multidimensional GIS and mapping technology has a unique ability to communicate—in 3D and n-dimensional space—natural and man-made features for better analysis. Discover new innovations that enhance use of big data and take advantage of the opportunity to share, learn, and network with Industry thought leaders. Then head back to the office with ideas that will improve workflows, collaboration, and decision making.

### We Thank Our Sponsors



### Esri Pavilion: Government Neighborhood–Mapping | Statistics | Imagery Community

Tuesday, June 28      9:00 AM–6:00 PM  
Wednesday, June 29      9:00 AM–6:00 PM  
Thursday, June 30      9:00 AM–1:30 PM  
Ground Level Exhibit Hall B-2, SDCC

Visit the Mapping | Statistics | Imagery Community to see imagery and 3D solutions for imagery, 3D data collection, and production. See how ArcGIS provides the platform for national organizations to produce and analyze imagery and to build 2D and 3D products. Esri's Web GIS empowers organizations to connect, collaborate and support national priorities through their authoritative data, services and apps, anywhere, anytime.



SDCC = San Diego Convention Center  
Please note: All listings subject to change; not every paper or event may be presented here.

and on any device.

## **UAS Zone: “What can your Drone do for you?”**

Meet with Esri staff to learn how ArcGIS is an integrated platform for UAS to GIS Imagery and Video management for your UAS. ArcGIS provides high-performance Imagery 2D and 3D mapping and analysis in desktop, server, mobile and hosted environments. It is a complete and open solution for managing, analyzing and sharing data and products from UAS. Esri is transforming how organizations solve problems and make informed decisions. Esri staff will demonstrate how imagery and video from drones can be used for applications like monitoring the growth of agriculture, progress in construction, extraction levels in mining, ecological monitoring and the status of fixed assets for utilities and transportation organizations. It can also be used for localized applications for insurance companies, real estate, urban planning, and public safety.

## **Esri Pavilion: Imagery**

The Imagery Pavilion is the place to see demonstrations and ask questions on how to use imagery and rasters in ArcGIS. Learn how you can take advantage of the features in the latest releases. Learn how to manage massive datasets or pick up techniques for integrating imagery into your applications or extracting information. Bring along your imagery questions. Whether you are just starting out with imagery and looking for content or are a remote-sensing professional, we have people on hand to help you with best practices and demonstrations for managing, sharing, visualizing, and analyzing imagery.

### **Envisioning Center Theater 2**

#### **Tuesday, June 28**

2:30 PM-	National Mapping: Safe Skies with Smart Assessment of Obstacles
3:15PM	
3:30 PM-	National Mapping: Enterprise Data Management
4:15PM	

#### **Thursday, June 30**

11:30 AM-	National Mapping: Improving Official Statistics Workflows with ArcGIS
12:15PM	

### **Industry Focused Sessions**

#### **Tuesday, June 28**

8:30 AM -		
9:45 AM	Imagery- "I Had No Idea..."	Room 25 A/B
10:15 AM -		
11:30 AM	Imagery: What's Next	Room 25 A/B

### **Technical Workshops**

#### **Tuesday, June 28**

8:30AM- 9:45AM	CityEngine: An Introduction	Room 05 B
10:00AM- 10:30AM	ArcGIS Earth: An Introduction	Tech Theater 16 Exhibit Hall A
10:15 AM - 11:30AM	Drone2Map for ArcGIS: Bring Drone Imagery into ArcGIS	Room 17 B
10:15 AM - 11:30 AM	Participating in the Living Atlas of the World	Room 05 A

1:30 PM- 2:45PM	3D Analysis Tools and Visualization with ArcGIS	Room 15 A
1:30 PM - 2:45 PM	Using Imagery in ArcGIS: An Introduction	Room 02
3:15 PM - 4:30 PM	Managing imagery and raster data using mosaic datasets	Room 05 A
3:15 PM - 4:30 PM	Sharing 3D Content on the Web	Room 14 B
<b>Wednesday, June 29</b>		
8:30 AM - 9:45 AM	3D in ArcGIS Pro	Room 14 B
10:15 AM - 11:30 AM	Imagery in a WebGIS	Ballroom 06 C
10:15 AM - 11:30 AM	ArcGIS Pro and CityEngine: A Deep Dive	Room 04
10:15 AM - 11:30 AM	Understanding Earth: Spatial Analysis with Online Raster Content	Room 05 A
11:00AM- 11:30AM	3D: Geodesign for Smart City Planning	Tech Theater 17 Exhibit Hall A
12:00PM- 12:30PM	Lidar and ArcGIS Pro: What's New	Tech Theater 17 Exhibit Hall A
1:30 PM - 2:45 PM	Using Imagery in ArcGIS: An Introduction	Sapphire Ballroom I/J
1:30 PM - 2:45 PM	ArcGIS for 3D Cities: An Introduction	Room 14 B
3:15 PM - 4:30 PM	ArcGIS for Desktop: Imagery Sources and Usage in GIS	Room 17 B
3:15 PM - 4:30 PM	ArcGIS Pro: An Introduction to Using Imagery	Room 10
3:15PM- 4:30PM	3D with JavaScript	Room 16 A
4:00PM- 4:30PM	Leveraging 3D Across the ArcGIS Platform	Tech Theater 15 Exhibit Hall A
<b>Thursday, June 30</b>		
8:30 AM - 9:45 AM	ArcGIS Pro: An Introduction to Using Imagery	Room 31 B/C
8:30 AM - 9:45 AM	Creating 3D Campuses	Room 17 A
8:30 AM - 9:45 AM	Imagery in a WebGIS	Room 09
10:15 AM - 11:30 AM	Imagery in ArcGIS: extracting Information	Room 09
10:15 AM - 11:30 AM	Understanding Earth: Spatial Analysis with Online Raster Content	Room 05 A
1:30 PM - 2:45 PM	ArcGIS for 3D Cities: An Introduction	Room 05B
1:30 PM - 2:45 PM	Drones in ArcGIS	Room 14 A
3:15 PM - 4:30 PM	Managing imagery and raster data using mosaic datasets	Room 10
<b>Moderated Paper Presentations</b>		
<b>Tuesday, June 28</b>		
10:00 AM- 10:30AM	ArcGIS Earth: An Introduction	Tech Theater 16 Exhibit Hall A
1:30 PM- 2:45PM	Generating Operational Value with Drone Imagery and ArcGIS	Room 25 A/B



3:15 PM - 4:30 PM	Advance Methodologies for Surface Analysis Workflows Derived from Imagery and Lidar with ArcGIS	Room 25 A/B
3:15 PM- 4:30PM	Creating Complex 3D GIS Visualization Environments with ArcGIS	Room 25 C
<b>Wednesday, June 29</b>		
8:30 AM - 9:45 AM	Providing Access to Imagery Automation Tools With ArcGIS	Room 25 A/B
8:30 AM - 9:45 AM	Experiences from the Field: Using UAVs and GIS for Conservation	Room 26 B
10:15AM- 11:30AM	Future of 3D Elevation: Best Practices and Quality Control of DEMS with ArcGIS	Room 25 C
1:30 PM - 2:45 PM	LiDAR Imagery at Work	Room 28 A
1:30 PM - 2:45 PM	3D Virtualization with ArcGIS Pro in Cloud Environments	Room 25 C
3:15PM- 4:30PM	Coastal 3D GIS Lidar: Trends, Vulnerability, and Data Access with ArcGIS	Room 25 C

### Thursday, June 30

10:15 AM - 11:30 AM	Multidimensional Extraction and Analysis of Buildings utilizing Procedural Modeling, Lidar and Imagery with the ArcGIS Platform	Room 25 C
1:30 PM- 2:45PM	3D Environmental Design and Modeling with ArcGIS	Room 25 C
1:30 PM - 2:45 PM	ArcGIS for 3D Cities: An Introduction	Room 05 B

### Special Interest Group Meetings

#### Wednesday, June 29

12:00 PM - 1:00 PM	Hydrography Special Interest Group (SIG)	Room 30A
12:00 PM - 1:00 PM	Statistics Special Interest Group (SIG)	Room 30D
12:00 PM - 1:00 PM	Spatial Data Infrastructures (SDI) Special Interest Group (SIG)	Room 26 B
5:30 PM - 7:00 PM	Open Data Special Interest Group (SIG)	Room 31 B/C

#### Thursday, June 30

12:00 PM - 1:00 PM	Cartography Special Interest Group (SIG)	Room 27 A
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### Demo Theater Schedule

#### Tuesday, June 28

12:30 PM- 1:15PM	Best Practices for Managing and Serving Processed Ortho Imagery	Demo Theater - Imagery
1:30 PM - 2:15 PM	Creating and Serving Tile cache imagery	Demo Theater - Imagery
2:30PM- 3:15 PM	Discover Imagery Relevant to your Mission	Demo Theater - Defense
3:30 PM - 4:15 PM	Object-oriented Image Analysis (OBIA) and Classification in ArcGIS	Demo Theater - Imagery
5:30 PM - 6:15 PM	Best practices for running ArcGIS Image Services on Cloud Infrastructure	Demo Theater - Imagery

#### Wednesday, June 29

09:30 AM - 10:15 AM	Best Practices for Managing and Serving Scanned Historical aerial Imagery	Demo Theater - Imagery
10:30 AM - 11:15 AM	South Carolina Flooding Response	Demo Theater - Public Safety



## Demo Theater Schedule

11:30 AM-	Using Imagery in Webmaps	Demo Theater - Imagery
12:15PM		
2:30 PM -	Working with Raster Data and Imagery	Demo Theater - Tech Support
3:15 PM		
4:30 PM -	On-the-fly Image processing in ArcGIS for Desktop	Demo Theater - Imagery
5:15 PM		
5:30 PM -	Improving the visual quality of Imagery using ArcGIS	Demo Theater - Imagery
6:15 PM		

## Thursday, June 30

9:30 AM -	Best Practices for Managing and Serving Aerial and UAS Frame Imagery	Demo Theater - Imagery
10:15 AM		
10:30 AM -	ArcGIS Full-Motion Video Capabilities for Public Safety	Demo Theater - Public Safety
11:15 AM		