

## Conference Activities

### Monday, March 7

GIS Solutions EXPO and Esri Showcase
Primrose A–D and Oasis 1 and 2 2:00 PM–7:00 PM
GIS Solutions EXPO Social
Primrose A–D and Oasis 1 and 2 4:00 PM–7:00 PM

### Tuesday, March 8

Plenary Session
Oasis 3 and 4 8:30 AM–11:45 AM
Speedgeeking
Santa Rosa/San Jacinto 3:30 PM–5:00 PM
Lightning Talks
Primrose A 6:30 PM–8:00 PM
Meet the Teams
Jackie Lee Houston Plaza 6:30 PM–8:30 PM

### Wednesday, March 9

Keynote Session
Oasis 3 and 4 8:30 AM–10:00 AM

### Thursday, March 10

Developer Summit Party and Dodgeball Tournament
Oasis 3-4 and East Lawn 6:30 PM–9:30 PM

## Esri Showcase

### Oasis 1 and 2

Monday, March 7	2:00 PM–7:00 PM
Tuesday, March 8	NOON–6:30 PM
Wednesday, March 9	10:00 AM–6:30 PM
Thursday, March 10	10:00 AM–4:00 PM

## Esri Store

### Primrose Lobby

Monday, March 7	7:30 AM–5:00 PM
Tuesday, March 8	7:30 AM–5:30 PM
Wednesday, March 9	7:30 AM–5:30 PM
Thursday, March 10	7:30 AM–5:30 PM

## Ultimate Combo Sponsor and Dodgeball Tournament Sponsor



## Tuesday, March 8

	Oasis 4	Primrose A	Primrose B	Primrose C/D	Smoketree A–E	Pasadena/Sierra/Ventura	Mojave	Mesquite B	Mesquite C	Mesquite G-H	Demo Theater 1	Demo Theater 2	Demo Theater 3
8:30 AM–11:45 AM	Plenary Session (Oasis 3 and 4)												
11:45 AM–1:00 PM	Hosted Lunch (Esplanade)												
1:00 PM–2:00 PM	*ArcGIS for Server: What’s New and the Road Ahead	Real-Time GIS: GeoEvent Extension	Web AppBuilder for ArcGIS: JavaScript Apps Made Easy	*Getting Started with the ArcGIS Runtime	Choosing a Javascript Framework	*Vector Tiles in the ArcGIS Platform	Python: Developing Geoprocessing Tools	ArcGIS Runtime SDKs: Building a Routing Application	Story Maps: Configuring and Customizing Web Apps	Getting Started with the JS API for Multidimensional Image Services	ArcGIS API for JavaScript: Building Web Editing Applications	Change Detection using the Python Raster Function	Getting started in Gradle with the Java and Android Runtime SDKs
2:00 PM–2:30 PM	Break												
2:30 PM–3:00 PM	*The Road Ahead: Desktop and Pro	Effective Geodatabase Programming	ArcGIS API for JavaScript: An Introduction	Developing Cross-platform Native Apps with AppStudio for ArcGIS (The Basics)	Leveraging 3D Across the ArcGIS Platform	Real-Time GIS: Best Practices	Developing Advanced Web Applications Which Utilize Image Services and the JS API	ArcGIS for Server: Publishing and Using Map Services	Getting Started with the ArcGIS REST API and NodeJS	ArcGIS Runtime SDK for Java: A Beginners Guide	Creating Geoprocessing Services With Python Script Tools	Using ArcGIS Runtime with Windows 10 IoT Core	Deep Customization of Open Data
3:00 PM–3:30 PM													Leveraging ArcGIS Workflows to Kick-start Automated Image Management
3:30 PM–4:00 PM	Break												
4:00 PM–5:00 PM	*The Road Ahead: ArcGIS Apps	ArcGIS Pro SDK for .NET Programming Patterns	ArcGIS API for JavaScript: Building Mobile Web Apps	*Overview of the ArcGIS Runtime Quartz API	Building Apps with Leaflets and the Esri Leaflet Project		Web 3D with the ArcGIS API for JavaScript: An Introduction	Implementing Analysis in ArcGIS Runtime	Python: Working with Raster Data	*The Road Ahead: CityEngine	Enabling High-Quality Printing in Web Applications	ArcGIS Online Assistant - A Passion Project	Python: Effective Batch Geocoding
5:00 PM–5:30 PM	Break												
5:30 PM–6:30 PM	*The Road Ahead: ArcGIS API for JavaScript	ArcGIS Pro SDK for .NET, Editing and Geodatabase Integration	ArcGIS for Server: Web GIS Security	*Getting Started with ArcGIS Runtime SDK for Xamarin	Deep Dive into the Esri Leaflet Project	ArcGIS Online: an Overview for Developers	Real-Time GIS: Applying Real-Time Analytics	Python: Working with Feature Data	Planning and Deploying Data Quality Services	Insight into the New Utility Network	How We Built ArcGIS Open Data: The DevOps Story	Workflow Manager Web APIs: Getting Started	Writing Image Processing Algorithms using the Python Raster Function

\* Session Offered Twice

## Wednesday, March 9

	Primrose A	Primrose B	Primrose C/D	Smoketree A–E	Pasadena/Sierra/ Ventura	Mojave	Catalina/Madera	Demo Theater 1	Demo Theater 2	Demo Theater 3	Mesquite B	Mesquite C	Mesquite G-H	San Jacinto	Santa Rosa
8:30 AM–10:00 AM	Keynote Session (Oasis 3 and 4)														
10:30 AM–11:00 AM	*Latest Innovations from Esri's Applications Prototype Lab	Accessing Your Enterprise Geodatabase using SQL	Getting Started with the ArcGIS Runtime SDK for .NET	Getting Started with the ArcGIS Runtime SDK for iOS and OS X	Python Map Automation: Beyond the Basics of arcpy.mapping and Migration to ArcGIS Pro	Web AppBuilder for ArcGIS: Customizing Themes	ArcGIS Pro SDK for .NET, Integration with ArcGIS Online	Building a Web App for Data Exploration with Smart Mapping	Automating Image Management and Dissemination Using Python	Building Interactive Dashboards and Reporting Visualizations	ArcGIS API for JavaScript: Building Native Apps using PhoneGap	ArcGIS Pro SDK for .NET: Solution Based Configuration of ArcGIS Pro (at v1.3)	*Accessible Web Mapping Apps: ARIA, WCAG and 508 Compliance	Getting Started with the ArcGIS Runtime SDK for Qt	Scientific Programming with the SciPy Stack
11:00 AM–11:30 AM								My 2015 Journey: How I Learned to Write Native GIS Apps		Context Required					
11:30 AM–1:00 PM	Hosted Lunch (Esplanade)														
1:00 PM–1:30 PM	*Latest Innovations from Esri's Applications Prototype Lab	Administering your Enterprise Geodatabase using Python	What's New in the ArcGIS API for JavaScript	QML and JavaScript for Native App Development	ArcGIS API for JavaScript: Tips and Tricks for Developing and Debugging Apps	Real-Time GIS: Leveraging Stream Services	Introduction to Portal for ArcGIS	Securing your iOS Apps in the Field	Python: Automating Network Analysis Workflows	Let's Build a JavaFX App with the Runtime SDK	Edit Utility Network in an Efficient and Standardized Way using Esri Workflow Manager	Choosing a Solid JavaScript Application Architecture	Go Mobile with C#, Visual Studio, and Xamarin		Integrating Open-source Statistical Packages with ArcGIS
1:30 PM–2:00 PM											Sim-CI: Enabling Resilient Utilities Networks for the Energy Transition	Build Your Web App Widgets Using TypeScript			
2:00 PM–2:30 PM	Break														
2:30 PM–3:00 PM	ArcGIS API for JavaScript: Discover 4.0 the Next Generation	Building Native Apps that Target Multiple Platforms	ArcGIS Runtime SDK for .NET: Tips and Tricks	Building iOS and Mac Apps with the ArcGIS Runtime SDK	ArcGIS Online: Managing Data	Best Practices for 3D Scene Services	Drawing Millions of Features in ArcGIS: Advanced Techniques	Web AppBuilder for ArcGIS: In-Depth Enterprise Deployment	Deploying Your Geoprocessing Tools as Python Modules	Story Maps: How to Tell Your Story Using Storytelling Apps	An AngularJS GIS Application Interweaved in a SharePoint Business Workflow System Using Esri Building Blocks	Using JavaScript Bookmarklets to Inspect ArcGIS Server Services	Playing Nicely with Esri's Java Development Tools	Getting Things Done with the Sharing REST API	Getting Data Science with R and ArcGIS
3:00 PM–3:30 PM								Python: Automating the publishing of Geoprocessing Services	Using the ArcGIS JS API, Angular, NodeJS, SDE, PostGIS, and ArcGIS Server the "Wrong" Way		San Diego, CA Wildfire and Emergency Services WebApp				
3:30 PM–4:00 PM	Break														
4:00 PM–4:30 PM	*Developing Cross-platform Native Apps with AppStudio for ArcGIS (Advanced)	ArcGIS Pro SDK for .NET UI Design and MVVM	Wearables, IoT, and ArcGIS Runtime SDK for Xamarin	Deploying Live Data with High Availability Servers	Web AppBuilder for ArcGIS: Building 3D Apps	*Vector Tiles in the ArcGIS Platform	Big Data: ArcGIS Spatiotemporal Big Data Store	Making Pop-Ups	Adding LRS to your GIS	Developing Applications which use Oblique Imagery in ArcGIS	Mask all the things! Prototyping a Plug-in for Applying Custom Transparency Masks to Existing Map Services	Using Modern ES6 and TypeScript Features on Top of Dojo 1.x	Harnessing the Power of Python in ArcGIS using the Conda Distribution	ArcGIS Runtime SDK for Android: Hit the Ground Running	Python: Working with Scientific Data
4:30 PM–5:00 PM								Getting Started with Imagery using the Web AppBuilder for ArcGIS	Developing LRS Solutions with Esri Roads and Highways		Innovations in Fossil Occurrence Data Curation: La Brea Tar Pits 2D Web Map Application & 3D Visualization of Associated American Lion and Sabertoothed Cat Skeletons	Introduction to Dojo 2			
5:00 PM–5:30 PM	Break														
5:30 PM–6:00 PM	ArcGIS Online and Portal: Developing Custom JavaScript Applications	Charts & Custom Visualizations Beyond the Map	Developing Cross-Platform .NET apps with ArcGIS Runtime	*Overview of the ArcGIS Runtime Quartz API	Web AppBuilder for ArcGIS: Customizing and Extending	ArcGIS Online: Developing Web Applications with Geocoding and Routing Services	Real-Time GIS: The Internet of Things (IoT)	Debugging with LinqPad: Save Time and Your Sanity	Developing Desktop GIS Apps with AppStudio for ArcGIS	Native Apps in JavaScript with React Native: Lessons from a Prototype	Extending Esri Maps for Sharepoint	Introducing Esri's zLAS I/O Library and API for Lidar Data	Integrating Imagery into ArcGIS Runtime SDK Applications	Collaborate with ArcGIS Runtime for Android	*Custom Elements: An End to the Framework Wars
6:00 PM–6:30 PM								Developing the Onwani Addressing Application using AppStudio for ArcGIS							

\* Session Offered Twice



March 8–11, 2016  
Palm Springs Convention Center

# ESRI DEVELOPER SUMMIT



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Thursday, March 10

	Primrose A	Primrose B	Primrose C/D	Smoketree A-E	Pasadena/Sierra/Ventura	Mojave	Catalina/Madera	Mesquite B	Mesquite C	Mesquite G and H	Demo Theater 1	Demo Theater 2	Demo Theater 2	San Jacinto	Santa Rosa
9:00 AM–9:30 AM	Developing with ArcGIS Open Data	ArcGIS for Server in the Cloud	ArcGIS Pro SDK for .NET, Animation and Map Exploration	ArcGIS Runtime SDKs: Core Display Architecture Performance Tips and Tricks	Security and ArcGIS Web Development	What’s new in the Esri Leaflet Project?	dashDB: the GIS professional’s bridge to mainstream IT systems–Presented by IBM	Building Great Android App UIs and UXs	Declarative Mapping Applications with AngularJS and the ArcGIS API for JavaScript	Building Location-aware Applications with ArcGIS	Building Controls for ArcGIS Runtime SDK for .NET	Extending the ArcGIS API for JavaScript Widgets	Using the File Geodatabase API	Advanced Topics in Developing ArcGIS Apps with Qt	Web 3D with the ArcGIS API for JavaScript: Advanced Topics
9:30 AM–10:00 AM													Malette-Custom Components for Webmap Editing		
10:00 AM–10:30 AM	Break														
10:30 AM–11:00 AM	Development Strategies for Building Mobile Apps - the Great Debate	User Experience and Interface Design for Map Apps	Koop: Using 3rd Party Services within the ArcGIS Platform		Web GIS: Performance and Scalability Best Practices	Building Your Own Widget with ArcGIS API for JavaScript	Configuring and Extending ArcGIS Solutions Web Applications	Consuming ArcGIS Online with NodeJS	An Insight into Esri’s 3D Engine in the Browser	Integrating ArcGIS Data Reviewer and ArcGIS Workflow Manager for Server to Automate Data Quality Workflows	Leveraging Military Symbology Across Apps	ArcGIS API for JavaScript: Using it with EmberJS	Cross-platform UI for C++ Apps Using QML at Quartz	Collector for ArcGIS: An Introduction	CityEngine: Developing Rule Packages for ArcGIS Pro
11:00 AM–11:30 AM									ArcGIS API for JavaScript: Building Apps that Consume Web Maps and Web Scenes						
11:30 AM–1:00 PM	Hosted Lunch (Esplanade)														
1:00 PM–1:30 PM	Everything (or Anything) You Wanted to Know About the ArcGIS Runtime SDKs but Were Afraid to Ask	3D Visualization With the ArcGIS API for JavaScript	Big Data and ArcGIS: Getting Started with GeoAnalytics for Feature and Tabular Data	Modern Tools for the Modern Web Developer	Using Census Data for Smarter Apps	*Getting Started with ArcGIS Runtime SDK for Xamarin	*ArcGIS API for JavaScript: Discover 4.0 the Next Generation	USC Emergency: Utilizing Web GIS to Encourage Earthquake Preparation on the University of Southern California Campus	Automated Land Surface Temperature Estimation Using Python and ArcGIS Pro	How we built Open Data: Modern Front-End Practices	What Front-End Developers Need to Know	ArcGIS Runtime SDKs: Building a Modern Interactive Geocoding Experience in Your Applications	Building Interactive Web Apps Using the JavaScript API’s Geometry Engine	Workforce for ArcGIS: An Introduction	Adding GIS to Android Wearables: From What’s Possible to What’s a Good Idea
1:30 PM–2:00 PM								User Analytics for Web Maps	The Other Web Map: Creating Map Images with Python				Using and Customizing the ArcGIS API for JavaScript Widgets		
2:00 PM–2:30 PM	Break														
2:30 PM–3:00 PM	*The Road Ahead: ArcGIS Apps	Implementing Offline Editing Workflows with the Runtime SDKs	Optimizing Your JavaScript App for Performance	ArcGIS for Server: Web GIS Automation	*Write Better Code	Intro to CSS for Geographers	*Developing Cross-Platform Native Apps with AppStudio for ArcGIS (Advanced)	Developing Novel Approaches to Humanitarian Aid and Pest Eradication Using ArcGIS Web AppBuilder and ArcGIS API for JavaScript	Tales from the Trenches: 15 Years of Running Map Services at NOAA	Designing Apps with Calcite-Maps	Real-Time 3D GIS: Making Scenes Come Alive	Automating Builds for Enterprise JavaScript Application	Cross-platform Native App Development with Qt/QML	Navigator for ArcGIS: An Introduction	
3:00 PM–3:30 PM								How to Play Nice with Others-Building Geospatial Components	Infusing Genealogy with Dynamic Thematic Representation and Spatiotemporal Control						
3:30 PM–4:00 PM	Break														
4:00 PM–4:30 PM	*The Road Ahead: ArcGIS API for JavaScript	Administering Your ArcGIS Portal	MongoDB Basics	Big Data: Using ArcGIS with Apache Hadoop	Building 3D Web Apps: A Step by Step Guide	CSS: Rules to Style By	Optimizing Your Runtime Apps for Performance	Visualizing Journeys as Transections-An Innovative ArcGIS Toolbox	Full Stack End to End JavaScript Testing with Intern	Implementing Offline Routing, Geocoding and Analysis with the Runtime SDKs				Survey123 for ArcGIS: An Introduction	*Accessible Web Mapping Apps: ARIA, WCAG and 508 Compliance
4:30 PM–5:00 PM								Multiprocessing with ArcPy	Defend Against the Caveman Coder						
5:00 PM–5:30 PM	Break														
5:30 PM–6:00 PM	The Road Ahead: ArcGIS Runtime	Understanding Geometry, Projections, and Spatial Reference Systems in ArcGIS	MongoDB Advanced Topics		Identity Management Options to Align Your Apps with the Esri Platform	Using TypeScript with ArcGIS JS API Development	ArcGIS API for JavaScript: Data Visualization	ArcGIS API for JavaScript and AngularJS: What’s New, What’s Next	Extending ArcGIS for Server	*The Road Ahead: CityEngine				Extending the Survey123 for ArcGIS Mobile App	Rapid Prototyping Map Apps with Wireframes
6:00 PM–6:30 PM															

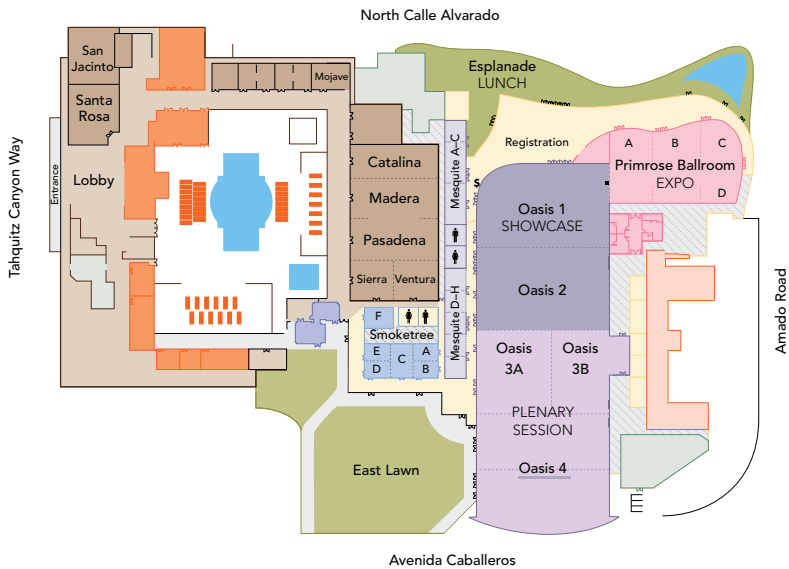
\* Session Offered Twice

Friday, March 11

	Primrose A	Primrose B	Primrose C/D	Smoketree A-E	Pasadena/Sierra/Ventura	Mojave	Mesquite B	Mesquite C	Mesquite G and H	Catalina/Madera	San Jacinto	Santa Rosa
8:30 AM- 9:30 AM	*ArcGIS for Server: What's New and the Road Ahead	*Javascript Applications for the Enterprise: Test More, Work Less	Building Great User Experiences for ArcGIS Runtime Apps	*Web AppBuilder for ArcGIS: Development Tools and Techniques	Building Your First Web GIS	Extending the ArcGIS Data Reviewer Validation Framework	*Building ArcGIS Apps for Apple Watch	ArcGIS Runtime SDKs: Implementing 3D Capabilities	Test iOS Apps Like a Boss	Data Exploration with Smart Mapping in Online	Remotely Invoking ArcGIS Apps	Real-Time GIS: Creating Connectors Using the GeoEvent SDK
9:30 AM- 10:00 AM	Break											
10:00 AM-11:00 AM	*The Road Ahead: Desktop and Pro	*Using Frameworks with the ArcGIS API for JavaScript	A Deep Dive on How the Geometry Engine Can Help You Build Better Apps	Advanced Geolocation for Mobile Web Mapping Apps	Getting Things Done in Portal with the REST API	*Custom Elements: An End to the Framework Wars	ArcGIS Runtime SDK for Java: Advanced Topics	Esri's Open Source GeoPortal Server: Building Discovery Solutions	Use Online Services Without End-user Login with Resource-Proxy	Building Great Information Products with ArcGIS Online	Developing Custom Extensions in Operations Dashboard for ArcGIS	Real-Time GIS: Creating Processors using the GeoEvent SDK
11:00 AM-1:00 PM	Closing Session and Hosted Lunch (Oasis 3 and 4)											
1:00 PM-2:00 PM	TBA - Check Mobile Agenda for Updates	*Javascript Applications for the Enterprise: Test More, Work Less	*Using Frameworks with the ArcGIS API for JavaScript	*Web AppBuilder for ArcGIS: Development Tools and Techniques	TBA - Check Mobile Agenda for Updates	*Write Better Code	*Building ArcGIS Apps for Apple Watch	TBA - Check Mobile Agenda for Updates	TBA - Check Mobile Agenda for Updates	TBA - Check Mobile Agenda for Updates	TBA - Check Mobile Agenda for Updates	TBA - Check Mobile Agenda for Updates

\* Session Offered Twice

Palm Springs Convention Center and Renaissance Hotel Floor Plan



Esri Showcase Floor Plan

