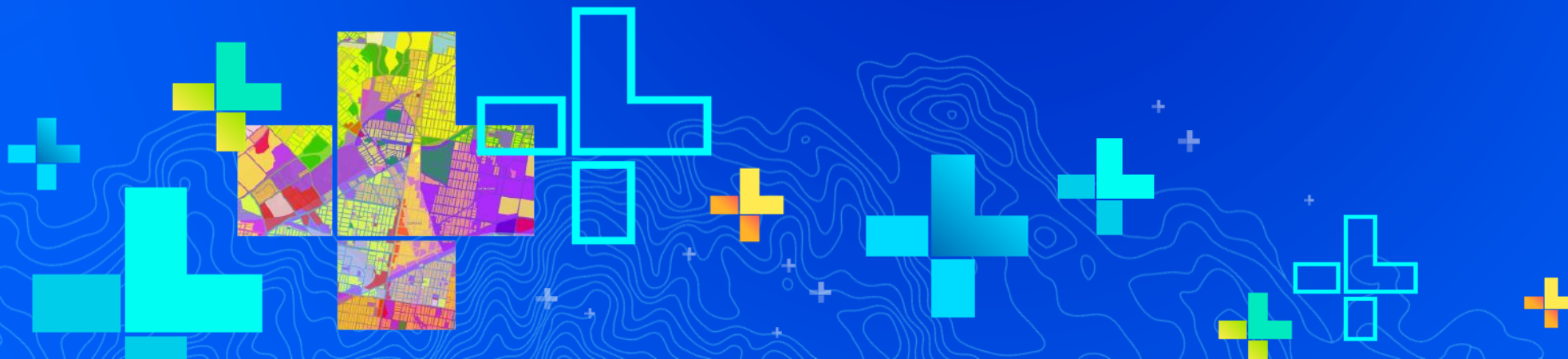




# Configuring Photo Survey in your Community

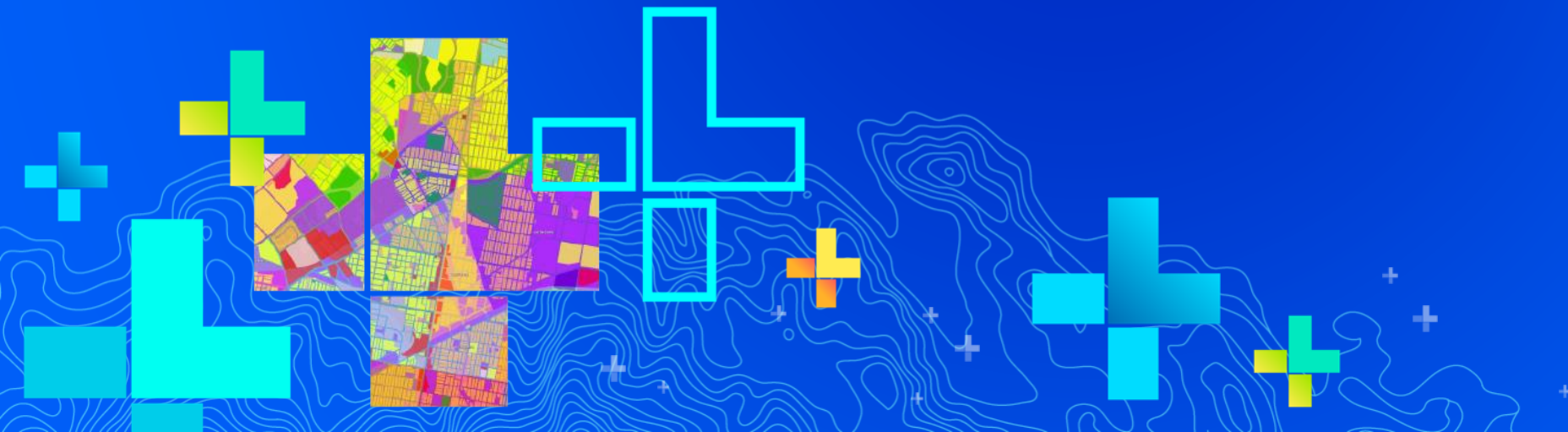
Ryan Cosby



SEE  
WHAT  
OTHERS  
CAN'T

# Configuring Photo Survey in your Community

Ryan Cosby



# Photo Survey Solution

- **Inventory blighted properties and devise neighborhood revitalization efforts**
- **Conduct rapid damage assessments after an incident so federal aid can be garnered more quickly**
- **Target re-appraisal efforts in areas that may result in new value added to assessment roll**
- **Identify structures that pose public health and safety concerns to fire service personnel**

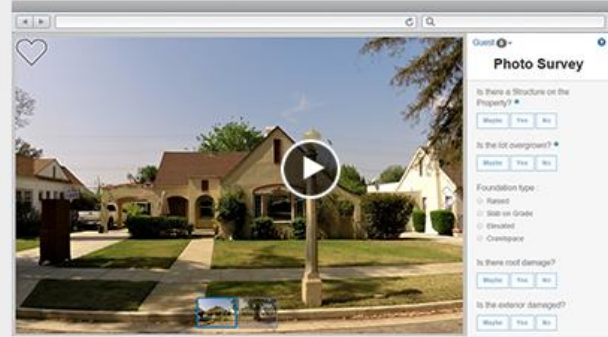
## Photo Survey

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### Overview

Photo Survey is a configuration of ArcGIS and a JavaScript application that can be used by local governments to publish street-level photo collections and conduct property surveys that may identify new construction activity, historic or damaged structures, and blight.

Photo Survey leverages location-enabled photos produced by many commercially available cameras and simplifies data processing so street-level photo collections can be gathered on a regular basis. Photo collections can then be combined with relevant survey questions in an ArcGIS Online map, and shared with the Photo Survey application. Once complete, the Photo Survey application can be used by the general public and/or local government staff to review street-level photos and complete property surveys.



The screenshot shows the Photo Survey application interface. It features a large street-level photo of a house with a play button overlay. To the right of the photo is a survey form titled 'Photo Survey' with the following questions and options:

- Is there a Structure on the Property? \*
- Is the lot overgrown? \*
- Foundation type:  
☐ Raised  
☐ Set on Grade  
☐ Elevated  
☐ Onseepage
- Is there roof damage?
- Is the exterior damaged?

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# Challenges

- **Standard devices that can be used to collect photos in large quantities**
- **Simple property survey app that engages community members**
- **Randomization of properties to provide unbiased surveys**
- **Useful map-based reports that can be used to influence government policies and response**





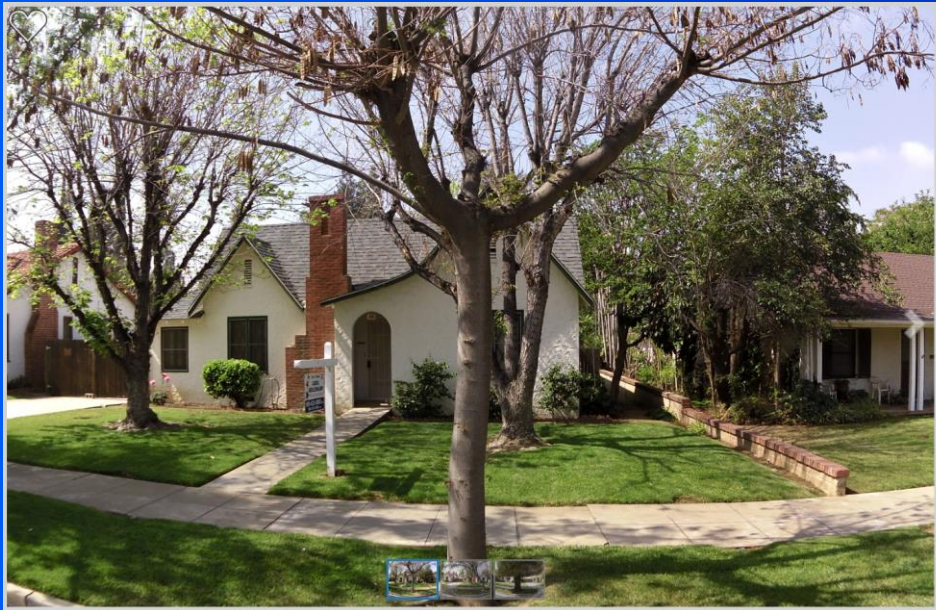
# Photo Survey Solution: What you get

- Recommended processes for collecting photos
- Geoprocessing tools for creating and publishing photo collections
- Photo survey web application
- Sample survey questions



# Photo Survey





Guest 119

Photo Survey

Is there a Structure on the Property? \*

Maybe Yes No

Is the lot overgrown? \*

Maybe Yes No

Foundation type \*

☐ Raised

☐ Slab on Grade

☐ Elevated

☐ Crawlspace

Is there roof damage? \*

Maybe Yes No

Is the exterior damaged? \*

Maybe Yes No

Is there graffiti? \*

Maybe Yes No

Are there boarded windows/doors? \*

Maybe Yes No

Skip

Submit survey

Show me  
Presenter(s)



# Photo Survey Solution: Additional Configuration Options

- Show an overview map on the web application
- Remove the “Skip” survey option
- Additional login options: Twitter, Facebook, Google
- Remove randomization of surveys
- Modify CSS in the web application to match community branding and color scheme





# Leveraging Artificial Intelligence



# Thank you

Be innovative, aware, and know you are not alone

Ryan Cosby, Solution Engineer  
State and Local Government Solutions

Chris Buscaglia, Product Engineer  
State and Local Government Solutions

 <http://solutions.arcgis.com/>

 <http://meetup.com/ArcGIS-for-Local-Government/>  
<http://meetup.com/ArcGIS-for-State-Government/>

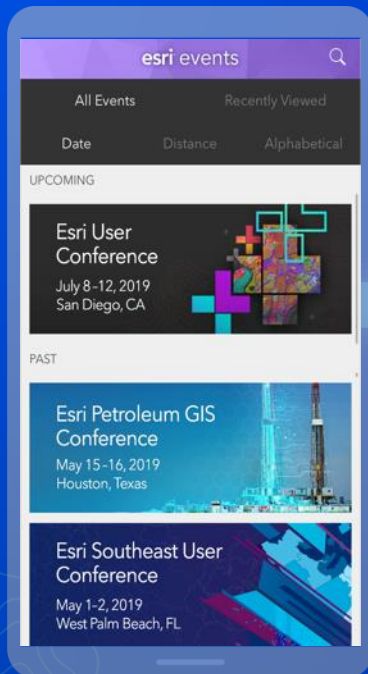
 @ArcGISLocalGov  
@ArcGISStateGov

 <http://esri.github.com>

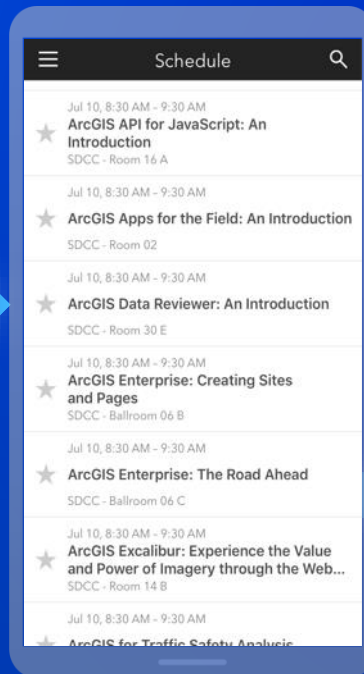


# Please Share Your Feedback in the App

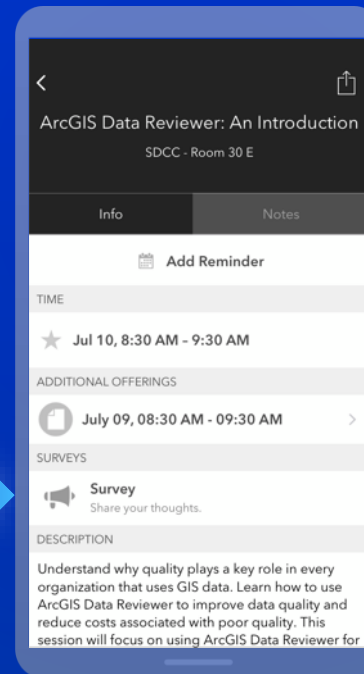
Download the Esri Events app and find your event



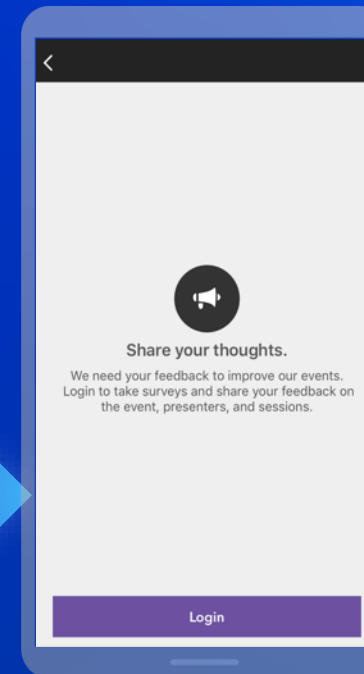
Select the session you attended



Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"

