GLA Summit Presenter Submission Guidelines

Conference Goals

The GLA Summit is organised to provide an opportunity for LabVIEW enthusiasts from around the world to come together (virtually!) and share their knowledge about graphical programming.

All speakers must adhere to our Code of Conduct - please review this document before submitting your presentation for consideration.

Following the ideas espoused by Adam Grant in his book, "Think Again: The power of knowing, what you don't know", we encourage all speakers and participates to behave as 'scientists': we should be curious, and constantly challenge our point of view in order to learn what we don't know.

Presenters can feel free to assume that most attendees have knowledge of LabVIEW to at least a Core 3 or CLD level, but should explain topic-specific terms or concepts.

If you have any questions, about the submission or selection processes, or regarding the presentation platform, please reach out to us at organizers@glasummit.org - we'll be happy to try and help!

Accessibility and Diversity

We ask that presenters consider:

- Use of gendered pronouns - either use gender-neutral pronouns (they/them/their) or use a balance of characters within examples

- Use of humour - for a global audience, humour is frequently difficult to convey. Something you think is funny may not be for others in a different circumstance or culture

- Color blindness - when designing a presentation, please consider your color choices, especially if they are critical to understanding a slide. This page (although it references website design), or others with similar goals, might be useful: https://usabilla.com/blog/how-to-design-for-color-blindness/

- If possible, share your slides in advance with us so we can upload your presentation for attendees to download. This can help those who want to make use of screen readers or wish to reread a slide that you move over quickly

Preferred Presentation Topics

Some topics that we'd particularly welcome submissions on are listed in this section. However, if you have a topic that doesn't fit any of these sections, don't be discouraged - please still submit your idea and we'll see how it fits with other submissions.

A collection of the presentations that were given last year can be found on our Youtube channel, and a list can be found on the LabVIEW Wiki page.

Advanced Programming Techniques

Presentations with this theme should teach attendees how to accomplish some task using a technique that the presenter deems to be 'advanced'. Sessions should provide an understanding of how to make use of this technique, and ideally an attendee would be able to make use of what they learn here in the immediate future for future or current projects.

These 'techniques' need not be specific or limited to LabVIEW - more general programming concepts and techniques are also welcome.

Frameworks and Architectures

Presentations with this theme will primarily focus on the use of common frameworks and architectures, but presentations regarding less widespread or common frameworks are also welcome, so long as they are publically available to attendees to make use of in their own projects and applications.

Attendees should ideally learn something that they might not have previously known about one or more of these topics, and be more able following the presentation to use the featured framework(s) to successfully complete a project.

Automated Test

Presentations related to the Automated Test track will focus on use of LabVIEW, Test-Stand, SystemLink, Hardware, Python, and related tools in test automation.

Presentations in this track ideally would look to educate attendees on automation, best practices, and practical examples of automation.

Automation test in this context may cover production, validation, characterization, hardware, or software test.

New Tools in LabVIEW

Several new features have been added to LabVIEW in the past few years including sets, maps, interfaces, VIMs, and webVIs. We are interested in discovering what use cases people have found for them and how they fit in with and/or complement existing techniques. Presentations related to the G Web Development software would also be welcome here!

Presentation Selection Timeline

Some key dates are highlighted below:

Review Process Begins	Early September
Submission Deadline	September 15th
Presenters Notified	September 30th
GLA Summit Dates!	November 15th-16th

General Presentation Considerations

Here are some suggestions for things you can consider when submitting or giving a presentation:

- Why are you making this presentation?

- What do you want the audience to take away?

- How specialized is your topic? The further from 'mainstream' LabVIEW your presentation is, the more terms or topics you might need to explain

- Define any acronyms you use that you aren't certain will be understood by the majority of the audience. Assume a CLD/Core 3 level

- The GLA Summit will consist of a combination of long (45 minute) and short (7 minute) presentations.

- If giving a longer presentation, please structure your content and summarize your main points at the end of your presentation. Consider leaving time for questions and answers (although separate rooms will be available for more extended discussion after presentations)

Possible Moderation/Presentation Styles

Several options are available for moderating your session(s). You may select whichever works best for your presentation and speaking style, but are encouraged to select one with higher interactivity between presenter and "audience."

- Traditional: One moderator manages the live chat with participants and relays selected questions to the presenter.

- Conversational: The presentation is a conversation between the presenter and a moderator/co-presenter. The moderator relays questions from the live chat to the presenter(s).

- Panelist: The presenter interacts with preselected panelists. Panelists ask questions or add commentary. The moderator relays questions from the live chat to the presenter and panelists.

- Open: Attendees ask questions to the presenter directly (over video). The moderator coordinates which attendees are actively taking part.

If your presentation is selected, please coordinate with the moderator(s) of your choosing or reach out to us if you need us to supply one. We will have backups on the event date if needed.

Practical Details - Hopin

The conference will be carried out, as last year, using the Hopin platform. Accepted presenters are invited to read their documentation, in particular the Speaker Instructions and Tips for Speaking in and Moderating Sessions, but our experiences using Hopin last year are also described below.

The Hopin platform is an online, browser-based system. Presenters (and attendees) join the conference via an online login system, which is separate from our conference website at glasummit.org. Last year, Chrome was found to be a suitable browser, with some problems experienced using other browsers. This (or other details) might have changed as the Hopin platform has evolved in the last year.

Presenters can share their screens and video feeds (e.g. webcam), and will be invited to test the platform in the weeks preceeding the conference.

Last year, some presenters made use of tools like OBS to collate slides and video feeds into a single display. You may or may not prefer this - please contact the organisers after your presentation is accepted if you'd like to discuss this option or you have questions about similar topics. In our experience, the video quality in this configuration was satisfactory for typically populated slides and for screen sharing, but you should test carefully if you want to use tools like a command line terminal via screen sharing because the text may not be perfectly clear.