

## Guidelines for Speaker Sessions

Please read all of this carefully

Note that the objective of this meeting is to produce a ***technical research agenda informed by the real problems of rural communities.***

Each session has a theme, a Chair, and speakers from both the community and technical perspectives. The Chair will coordinate the speakers in the session BEFORE the meeting.

Strict 10 minute time limit. This likely means 6-7 slides.

### Presentations for Rural Community Challenges:

- For the session topic you're speaking to, please refrain from focusing on your past and current work only. Instead, based on your work/experience/observations: what are the realistic community challenges and constraints that require new technical solutions? Please keep in mind that these challenges should inform the technical people about true constraints so that solutions are applicable. Therefore, please try to be as specific as possible. For example, it is not sufficient to say the lack of internet is a barrier to student performance. Specific details on the issue may illuminate new solutions that do not rely on the internet.
- You should also discuss any strengths and/or positive aspects of rural communities. These characteristics may enable innovative solutions not possible in urban settings.

**Presentations for Technical Challenges:** What is your view of the ***technical research questions*** that must be addressed?

- All of you have performed interesting work in this area, but the objective is NOT to describe your work, but to envision new and challenging community and technical research questions. This is not a conference where you present your past work (although the challenges and technical approaches can be informed by your work)!
- Note that you only have 10 minutes. You may want to organize your slides to dive directly into identify the top research challenges from your perspective: Research Challenge 1; Research Challenge 2; Research Challenge 3 (maybe 2 slides per challenge). Of course, you need not follow this format, but we are trying to dig deep into technical research questions and get to the point as quickly as possible.

Examples:

Bad research challenge: How can we provide education to rural communities? Too vague and does not highlight the technical research questions that must be solved in order to achieve this.

Good research challenge: How can TV white space be used to provide broadband to rural communities? Good!

Good research challenge: How can deep learning solutions that require applications to have real-time access to the cloud be optimized to run on smart phones? Good.

***Note that after each speaking session there is a breakout to flush out the challenges and solution approaches.***