System Requirements for Attendees Desktop:

- **Desktop or laptop computer** (note: most computers purchased within the past few years will exceed the minimum requirements stated below.)
- Operating System:
 - 1. Mac: Mac OSX 10.7 or later
 - 2. Windows: Windows 10, 8, 8.1, 7, Vista (SP1 or later), XP (SP3 or later)
 - 3. Ubuntu: 12.04 or later
 - 4. Linux: Red Hat Enterprise Linux 6.4 or higher

• Processor / RAM:

- 1. Single Core 1Ghz or higher (Dual core 2Ghz or higher, 4G RAM recommended)
- Web Browser:
 - 1. Windows: Chrome 72+, Edge 84+, Firefox 27+, or IE 11+
 - 2. Mac: Chrome 30+, Safari 7+Edge 84+, or Firefox 27+
 - 3. Linux: Chrome 30+, Firefox 27+
- Internet Connection:
 - 1. 1.5 Mbps "up" minimum (3+ Mbps "up" recommended). Note: wireless speeds are lower than your ISP's advertised speeds. You can use <u>speedtest.net</u> to test your speeds on your computer.
- Hardware (recommended but not required)
 - 1. Webcam
 - 2. The microphone and speakers that comes built-in to most computers is adequate, but a headset with a mic or a stand-alone microphone will create a richer, cleaner sound.

Mobile Web:

• Smartphone with web browser (Chrome, Edge, Firefox, or Safari recommended)

Native App:

- Apple or Android smartphone
- iOS version 11.0 or higher
- Android version 5.1 (Lollipop) or higher

System Requirements for Speakers

- Desktop or laptop computer with at least:
 - 1. Mac: Mac OSX 10.7 or later
 - 2. Windows: Windows 10, 8, 8.1, 7, Vista (SP1 or later), XP (SP3 or later)
 - 3. Ubuntu: 12.04 or later
 - 4. Linux: Red Hat Enterprise Linux 6.4 or higher

While it is possible to present from a tablet or mobile phone, it is not recommended.

- Processor / RAM
 - 1. Single Core 1Ghz or higher (Dual core 2Ghz or higher, 4G RAM recommended)
- Browser
 - 1. Windows: Chrome 72+, Edge 84+, Firefox 27+, or IE 11+
 - 2. Mac: Chrome 30+, Safari 7+Edge 84+, or Firefox 27+
 - 3. Linux: Chrome 30+, Firefox 27+
- Bandwidth
 - 1. 1.5 Mbps "up" minimum (3+ Mbps "up" recommended)
 - 2. Hint: Use <u>speedtest.net</u> to test
- Hardware
 - 1. Webcam
 - 2. The microphone and speakers that comes built-in to most computers is adequate, but a headset with a boom mic or a stand-alone microphone will create a richer, cleaner sound. There are dozens of models, wired and wireless, available on Amazon for less than \$100 with 4-star or better ratings.
 - 3. A second monitor is recommended, but not required.