



# MACROFAB

## MacroFab Guest Podcast Packet: A Quick Start Guide

This guide is for anyone invited to be a guest on the MacroFab Engineering Podcast! It covers everything you need to know about preparing for and participating in the recording.

### How it Works

- We use a **web app called [SquadCast](#)** to record audio and video. No downloads required! The Chrome browser is required for Squadcast to function.
- Before recording, **you'll receive a link to a Google sheet** with show notes and a link to the recording session—**this includes your SquadCast session link.**
- **Follow the SquadCast link to the recording session.** Select your audio/video sources. You'll then be admitted to the lobby with Parker and Stephen.
- After recording, **stay in the session for a few minutes while the files upload.** We'll let you know when you're good to go.

### What to Prepare

- **Think about what you want to talk about**, your interests, your work, or any specific topics you'd like to cover.
- The episode will be a casual interview, so **relax and be yourself!**
- The Google sheet with the show notes can serve as a guide for the conversation. You may be asked to fill out some information beforehand so we can prepare for our conversation.
- **We need a few things from you:**
  - A short (1-3 sentence) bio for your introduction.

- A headshot or image for us to use for the podcast blog post.
- Links to your website, social media, etc. so listeners can find you.

## Equipment

- **You'll need a microphone and a video source** (most webcams and mics work fine, but higher quality is preferred). Headsets generally provide better audio than laptop mics.
- **Headphones are required** to avoid audio issues.
- **If you do not have a microphone or headphones** let us know. We will ship you the equipment.
- If you're joining with other guests, each person should use separate mics, headphones, and computers from different rooms for optimal sound quality.
- **A wired internet connection is preferred**, but Wi-Fi works too.

## Recording Details

- We record on **Tuesdays at 7:00 PM Central Time**. Please be available by 6:40 PM in case there are technical difficulties and to chat before recording.
- Episodes typically last around an hour but can vary depending on the conversation.
- New episodes are released the following Tuesday morning.

## Technical

- Record from any quiet room. **Try to avoid echo-y spaces**. Rooms with soft objects work well.
- Don't worry if your internet drops! SquadCast can handle it, and we can easily pick up where we left off.

**We're excited to have you on the show!**

**If you have any questions, feel free to reach out.**

## Circuit Break Hosts

### Parker Dillmann

[parker@macrofab.com](mailto:parker@macrofab.com)

Parker is an Electrical Engineer with a rich background in Embedded System Design and Digital Signal Processing, who began his journey in 2005 by modifying Nintendo consoles into portable units. His notable work includes producing over a thousand Atari 2600 video mods from 2006 to 2011, enhancing the gaming experience on modern TVs.

After switching his major from Petroleum to Electrical and Computer Engineering at The University of Texas at Austin, Parker immersed himself in diverse areas like robotics, FPGA development, embedded systems, and image processing.

After graduating in 2012, he joined Dynamic Perception, focusing on full product development cycles and honing his board layout skills. Seeing the difficulties in managing operations and FCC/CE compliance testing, Parker thought there had to be a better way for small electronic companies to get their product out into customers' hands.

Parker also shares his expertise on his blog, [longhornengineer.com](http://longhornengineer.com), providing insights into board layout design and electronic components.

### Stephen Kraig

[stephen.l.kraig@gmail.com](mailto:stephen.l.kraig@gmail.com)

Stephen Kraig is a component engineer working in the aerospace industry. He has applied his electrical engineering knowledge in a variety of contexts previously, including oil and gas, contract manufacturing, audio electronic repair, and synthesizer design. A graduate of Texas A&M, Stephen has lived his adult life in the Houston, TX, and Denver, CO, areas.

Stephen has never said no to a project. From building guitar amps (starting when he was 17) to designing and building his own CNC table to fine-tuning the mineral composition of the water he uses to brew beer, he thrives on testing, experimentation, and problem-solving. Tune into the podcast to learn more about the wacky stuff Stephen gets up to.