The Rust programming language is becoming more and more popular: it’s even considered as another language allowed in the Linux kernel. That brought up the question of architecture support as the official Rust compiler is based on LLVM. This project, rustc_codegen_gcc, is meant to plug the GCC backend to the Rust compiler frontend as a relatively low-effort: it’s a shared library reusing the same API provided by the Rust compiler as the cranelift backend. As such, it could be used by some Linux projects as a way to provide their Rust softwares to more architectures. This talk will present this project, its progress and will feature a discussion about what needs to be done to start using it for projects like Rust for Linux.

I agree to abide by the anti-harassment policy

Yes

**Primary author:**  BOUCHER, Antoni  
**Presenter:**  BOUCHER, Antoni  
**Session Classification:**  Rust MC  
**Track Classification:**  LPC Microconference: Rust MC