



# Linux Plumbers Conference 2021

## Monday, September 20, 2021

### GNU Tools Track - GNU Tools track/Virtual-Room (7:00 AM - 11:00 AM)

| time     | [id] title  | presenter   |
|----------|---|---|
| 7:00 AM  | [M07] GCC's -fanalyzer option: what's new in GCC 12                         | MALCOLM, David  |
| 7:30 AM  | [M11] Link-Time Points-To Analysis Implementation in GCC with Souffle       | OCHOA, Erick<br>MÜLLNER, Christoph<br>TOMSICH, Philipp      |
| 8:00 AM  | [M21] Using the GCC regression test suite for LLVM                          | BENNETT, Mary   |
| 8:30 AM  | [M01] Analyzing historical DejaGNU test result data with the Bunsen toolkit | MAKAROV, Serguei  |
| 9:00 AM  | Coffee Break  |   |
| 9:15 AM  | [M95] DWARF extensions for optimized SIMT/SIMD (GPU) debugging              | Mr TYE, Tony<br>ZARIC, Zoran                                |
| 9:45 AM  | [M69] Support for the CTF and BTF debug formats in the GNU Toolchain        | BHAGAT, Indu<br>FAUST, David<br>PAN, Wei-min                |
| 10:15 AM | [M2] Update on BPF support in the GNU Toolchain                             | MARCHESI, Jose E.<br>FAUST, David<br>Mr MARTINEZ, Guillermo |

# Tuesday, September 21, 2021

## GNU Tools Track - GNU Tools track/Virtual-Room (7:00 AM - 11:00 AM)

| time     | [id] title   | presenter  |
|----------|--|--|
| 7:00 AM  | [M162] gprofng - The next generation GNU profiler            | Mr VAN DER PAS, Ruud<br>Mr MEZENTSEV, Vladimir                         |
| 7:30 AM  | [M174] Complex Divide Improvements in libgcc                 | MCGEHEARTY, Patrick  |
| 8:00 AM  | [M175] Limitations of tuning glibc malloc on larger systems. | MCGEHEARTY, Patrick  |
| 8:30 AM  | [M186] Indirect External Access                              | LU, H.J.   |
| 9:00 AM  | Coffee Break   |  |
| 9:15 AM  | [M187] Enable intel LAM in linux                             | LU, H.J.   |
| 9:45 AM  | [M114] OpenACC "kernels" improvements                        | HARWATH, Frederik  |
| 10:15 AM | [M160] BoF: Offloading with OpenMP & OpenACC                 | STUBBS, Andrew<br>BURNUS, Tobias<br>JELÍNEK, Jakub<br>SCHWINGE, Thomas |

# Wednesday, September 22, 2021

## GNU Tools Track - GNU Tools track/Virtual-Room (7:00 AM - 11:00 AM)

| time     | [id] title  | presenter  |
|----------|---|--|
| 7:00 AM  | [103] GCC Steering Committee, GLIBC, GDB, Binutils Stewards Q&A           | EDELSON, David                                   |
| 8:00 AM  | [192] GCC support for the Darwin AArch64 ABI                              | BLINOV, Maxim<br>BURGESS, Andrew<br>SANDOE, Iain |
| 8:15 AM  | [176] Sharing Cache - optimizing for a single core vs a multi-core system | MCGEHEARTY, Patrick                              |
| 8:30 AM  | [161] Security improvements in GCC  | ZHAO, Qing                                       |
| 9:00 AM  | Coffee Break  |  |
| 9:15 AM  | [185] PowerPC BOF   | SCHMIDT, Bill<br>BOESENKOOL, Segher              |
| 10:00 AM | [114] The GNU C Library BoF   | Mr O'DONELL, Carlos                              |

# Thursday, September 23, 2021

## GNU Tools Track - GNU Tools track/Virtual-Room (7:00 AM - 11:00 AM)

| time     | [id] title   | presenter   |
|----------|--|---|
| 7:00 AM  | [M03] Eliminating implicit function declarations               | WEIMER, Florian   |
| 7:30 AM  | [M13] Debugging offloaded kernels on AMD GPUs                  | STUBBS, Andrew  |
| 8:15 AM  | [M09] New mod/ref pass in GCC                                  | HUBICKA, Jan  |
| 8:45 AM  | [M07] GNU tool chain for CORE-V                                | BENNETT, Jeremy<br>Ms MILLS, Jessica<br>Prof. TAGLIAVINI, Giuseppe<br>Mr BRUSCHI, Nazareno<br>TABANELLI, Enrico |
| 9:15 AM  | Coffee Break   |   |
| 9:30 AM  | [M16] RISC-V BoF   | DABELT, Palmer<br>WILSON, Jim<br>CHENG, Kito  |
| 10:15 AM | [M10] BoF: Register pressure sensitivity in the gcc middle end | SAWDEY, Aaron   |