

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	[97] GCC's -fanalyzer option: what's new in GCC 12	MALCOLM, David
7:30 AM	[211] Link-Time Points-To Analysis Implementation in GCC with Souffle	OCHOA, Erick MÜLLNER, Christoph TOMSICH, Philipp
8:00 AM	[121] Using the GCC regression test suite for LLVM	BENNETT, Mary
8:30 AM	[201] Analyzing historical DejaGNU test result data with the Bunsen toolkit	MAKAROV, Serguei
9:00 AM	Coffee Break	
9:15 AM	[195] DWARF extensions for optimized SIMT/SIMD (GPU) debugging	Mr TYE, Tony ZARIC, Zoran
9:45 AM	[169] Support for the CTF and BTF debug formats in the GNU Toolchain	BHAGAT, Indu FAUST, David PAN, Wei-min
10:15 AM	[172] Update on BPF support in the GNU Toolchain	MARCHESI, Jose E. FAUST, David 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	[162] gprofng - The next generation GNU profiler	Mr VAN DER PAS, Ruud Mr MEZENTSEV, Vladimir
7:30 AM	[174] Complex Divide Improvements in libgcc	MCGEHEARTY, Patrick
8:00 AM	[175] Limitations of tuning glibc malloc on larger systems.	MCGEHEARTY, Patrick
8:30 AM	[186] Indirect External Access	LU, H.J.
9:00 AM	Coffee Break	
9:15 AM	[187] Enable intel LAM in linux	LU, H.J.
9:45 AM	[114] OpenACC "kernels" improvements	HARWATH, Frederik
10:15 AM	[160] BoF: Offloading with OpenMP & OpenACC	STUBBS, Andrew BURNUS, Tobias JELÍNEK, Jakub 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	[63] GCC Steering Committee, GLIBC, GDB, Binutils Stewards Q&A	EDELSON, David
8:00 AM	[192] GCC support for the Darwin AArch64 ABI	BLINOV, Maxim BURGESS, Andrew 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 BOESENKOOL, Segher
10:00 AM	[214] 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	[203] Eliminating implicit function declarations	WEIMER, Florian
7:30 AM	[113] Debugging offloaded kernels on AMD GPUs	STUBBS, Andrew
8:15 AM	[209] New mod/ref pass in GCC	HUBICKA, Jan
8:45 AM	[207] GNU tool chain for CORE-V	BENNETT, Jeremy Ms MILLS, Jessica Prof. TAGLIAVINI, Giuseppe Mr BRUSCHI, Nazareno TABANELLI, Enrico
9:15 AM	Coffee Break	
9:30 AM	[216] RISC-V BoF	DABELT, Palmer WILSON, Jim CHENG, Kito
10:15 AM	[210] BoF: Register pressure sensitivity in the gcc middle end	SAWDEY, Aaron