FortranCon 2021

Thursday 23 September 2021

Presentations - ZOOM (14:10-15:10)

-Conveners: Tiziano Müller

time	[id] title	presenter
14:10	[6] Handling dimensions and units of measure in a program	MARKUS, Arjen
14:30	[13] Some adventures with compile time evaluation	FURQUAN, Mohd
14:50	[7] Fortran in Hydrometallurgy: Practice and Research	CHERKAEV, Alexey

Presentations: Presentations - ZOOM (15:40-16:40)

-Conveners: John Reid

time	[id] title	presenter
15:40	[22] Bit-reproducible methods of dimensional and rotational verification testing	WARD, Marshall
16:10	[25] Standard Fortran on GPUs and its utility in quantum chemistry codes	HAMMOND, Jeff

Presentations - ZOOM (18:00-19:20)

-Conveners: Juan Herrera

time	[id] title	presenter
18:00	[18] LFortran: Interactive LLVM-based Fortran Compiler for Modern Architectures	ČERTÍK, Ondřej
18:30	[21] HIPFort: Present and Future Directions for Portable GPU Programming in Fortran	FANFARILLO, Alessandro
19:00	[12] SPACE: Three Decades of Spacecraft Power Systems Analysis with Fortran	TIPLER, Sarah

Friday 24 September 2021

Presentations - ZOOM (14:00-15:20)

-Conveners: Alfio Lazzaro

time	[id] title	presenter
14:00	[10] SEACAL: Cross Platform Parallel Hybrid Code for Calculations of Ship Motions	COSTAMAGNA, Sebastian
14:30	[23] f2py: Two Decades Later	GOSWAMI, Rohit
14:50	[4] Test automation on a Fortran Legacy Software: the AnaTest framework	Mr ABREU NETTO, Nicolas

Presentations - ZOOM (15:50-16:50)

-Conveners: Nathan Sircombe

time	[id] title	presenter
15:50	[24] The Case for Asynchronous Task Parallelism in Fortran	HAMMOND, Jeff
16:20	[8] Your Requirements Specification as an Executable Test Suite	RICHARDSON, Brad