

PROGRAM SC-CAMP 2015

HOUR	Sunday June 28	Monday June 29	Tuesday June 30	Wednesday July 1	Thursday July 2	Friday July 3	Saturday July 4
7:00 a 8:00		BREAKFAST					
8:00 a 9:00		Know Your Bugs: Weapons for Efficient Debugging <i>Xavier Besseron</i>	Introduction to distributed memory models <i>Gilberto Diaz</i>	Using CUDA to get more performance on scientific operations <i>Pedro Velho</i>	Workload management with SLURM <i>Yiannis Georgiou</i>	HPC @ Pocket Computing <i>Carlos J. Barrios Hernández</i>	Hot topics on HPC and advanced information technologies <i>All committee members</i>
9:00 a 9:30							
9:30 a 10:00		Power management and energy efficiency <i>Yiannis Georgiou</i>	Contest Essentials <i>Robinson Rivas</i>		Closing session <i>Carlos J. Barrios Hernández</i>		
10:00 a 11:00		Practical session: Debugging <i>Xavier Besseron</i>	Distributed computing through message passing MPI <i>Gilberto Diaz</i>				
11:00 a 12:00		Introduction to R and data analysis <i>Joseph Emeras</i>	Introduction to shared memory models <i>Robinson Rivas</i>	XeonPhi to increase speed of parallel code <i>Carlos J. Barrios Hernández</i>	Visit to Marqueza	Contest Time!	Departure
12:00 a 13:00			OpenMP Essentials <i>Robinson Rivas</i>				
13:00 a 14:00	Registration and accomodation	BREAK	How to compute discrete logarithms over a 4841-bit ternary extension field in less than two hundred twenty core-years <i>Francisco Rodriaguez</i>	Computational fluid dynamics in Basic Science and Engineering <i>Jaime Klapp</i>			
14:00 a 16:00		FOOD			FOOD		
16:00 a 17:00	Introduction to HPC applications, the need for scalable architectures <i>Carlos J. Barrios Hernández</i>	Practical session: analyse parallel applications performance with R <i>Joseph Emeras</i>	Practical session: MPI+OpenMP <i>Gilberto Diaz and Robinson Rivas</i>	Practical session: using accelarators to improve performance <i>Pedro Velho</i>	Visit to Marqueza	Contest Time!	
17:00 a 18:00				Good practices in parallel and scientific computing software <i>Gabriel Pedraza</i>			
18:00 a 19:00						Contest Results <i>Robinson Rivas</i>	
19:00 a 20:00	DINNER						