

Training Course “Introduction to the programming and usage of the supercomputing resources in Jülich” 2020 – Online Edition Fall 2020

Monday Nov 23rd , 2020

13:00 - 13:30	Welcome and Introduction to JSC – Norbert Attig (JSC)
13:35 - 14:20	JURECA-DC and JURECA Booster – Philipp Thörnig (JSC)
14:20 - 15:00	Break
15:00 - 15:30	JUWELS - Introduction – Damian Alvarez (JSC)
15:35 - 16:05	Bull Sequana Architecture – Thomas Warschko (Atos)
16:10 - 16:55	Job Monitoring and User Portal – Sebastian Lührs (JSC)

Tuesday, Nov 24th , 2020

13:00 - 13:45	Work load management with Slurm – Chrysovalantis Paschoulas (JSC)
13:50 - 14:20	JUST and IBM Spectrum Scale: Data management – Stephan Graf (JSC)
14:20 - 15:00	Break
15:00 - 16:20	HPC Software - Compiler and Tools – Michael Knobloch (JSC)
16:25 - 16:55	Remote Visualisation – Herwig Zilken (JSC)

Wednesday, Nov 25th, 2020

13:00 - 13:30	HPC Software - Mathematical Libraries & Application Software Inge Gutheil (JSC)
13:35 - 14:20	JUBE: Adaptable HPC workflow environment – Sebastian Lührs (JSC)
14:20 - 15:00	Break
15:00 - 15:30	Uniform Resource Access at JSC: UNICORE – Björn Hagemeier (JSC)
15:35 - 16:05	ParTec Cluster Management – Patrick Küven (ParTec)
16:10 - 16:55	JupyterLab - Supercomputing in your Browser – Jens Henrik Göbbert (JSC)

Thursday, Nov 26th, 2020

13:00 - 13:45	“Proper Pinning Prevents Pretty Poor Performance” Thorsten Hater (JSC)
13:50 - 15:10	JURECA and JUWELS – Tuning and Tweaks – Heinrich Bockhorst (Intel)
15:10 - 15:30	Break
15:30 - 17:00	Using GPU accelerators on JURECA and JUWELS – Andreas Herten (JSC)