

Training Course “Introduction to the programming and usage of the supercomputing resources in Jülich” 2021 – Online Edition Spring 2021

Monday May 17th , 2021

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 Lühns (JSC)

Tuesday, May 18th , 2021

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 - 17:10	JupyterLab - Supercomputing in your Browser – Jens Henrik Göbbert (JSC)

Wednesday, May 19th , 2021

13:00 - 13:30	HPC Software - Mathematical Libraries & Application Software Inge Gutheil (JSC)
13:35 - 14:05	Remote Visualisation – Herwig Zilken (JSC)
14:10 - 14:40	Uniform Resource Access, Data Access and Cloud Resources at JSC Björn Hagemeier (JSC)
14:40 - 15:00	Break
15:00 - 15:45	ParTec Cluster Management – Patrick Küven (ParTec)
15:50 - 16:20	“Proper Pinning Prevents Pretty Poor Performance” Thorsten Hater (JSC)

Thursday, May 20th , 2021

13:00 - 13:45	Deep Learning on Supercomputers - Fahad Khalid (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)