

## User Guide for the DEEP system

### System overview

- [Hardware details](#)
- [Filesystems](#)

### Access the system

- [Get an account](#)
- [Information about the batchsystem](#)

### How to use certain partitions and nodes

- [DEEP-EST Cluster Module \(dp-cn\)](#)
- [DEEP-EST Data Analytics Module \(dp-dam\)](#)
- [DEEP-ER SDV Cluster](#)
- [DEEP-ER SDV KNLs](#)
- [Use the FPGA test system?](#)

### Information on software and tools

- [Available software and Modules environment](#)
- [Programming with OmpSs-2](#)
- [Usage of TAMPL](#)
- [Offloading Hybrid Applications' tasks to GPUs \(MPI + OpenMP/OmpSs-2\)](#)
- [Parallel I/O with SIONlib](#)
- Resiliency:
  - [Usage of SCR \(Scalable Checkpoint Restart\)](#)
  - [Using FTI \(Fault Tolerance Interface\)](#)
  - [Usage of OpenCHK](#)
- [Intel Advisor XE \(Vectorisation analysis\)](#)
- [Integrate applications in JUBE](#)
- [Using the Benchmark Suite](#)
- [ParaStation MPI](#)

### Problems and solutions

- [Known issues and solutions \(workarounds\)](#)

## Reporting Problems

- For general application problems or running jobs please write an email to the support list: [sup\(at\)deep-est.eu](mailto:sup(at)deep-est.eu)
- Problems at DEEP with system management in general or other unspecified issues should be reported by creating a ticket. To do so please send a mail to [deeptrac\(at\)par-tec.com](mailto:deeptrac(at)par-tec.com)
- Chat: [chat.freenode.net](https://chat.freenode.net), port 6667, Channel #DEEP\_User