9th HPE High Performance Computing Open Source and Linux Technical Excellence Symposium for HPE EMEA EG Presales and HPE Channel Partners

HPE Site, Grenoble - France
20 – 24 March 2017

Event Objectives and format

The HPC OSL TES is a **technical knowledge transfer** event targeting the HPC Channel Partner community (both HPE and Channel Partners), HPE EG HPC and OSL Solution Architects, Pre-Sales consultants, OSL Advocates and OSL Profession members.

This initiative started in 2007 with the aim to build a true HPC and OSL technical community and promote the latest and most innovative HPE products and Solutions, with **a strong focus on solutions for HPC, Open Source environments, Hyperscale portfolio, as well as latest Technology trends**.

This event is a key component of the HPE EMEA EG Technology Knowledge Transfer Strategy.

This 9th symposium will cover **future technology trends and directions**, and bring a strong interest in providing latest roadmaps and new products introduction specifics to those industries.

Why attend?

The Technological Excellence Symposium is **the HPC and OSL TES must attend event of the year in EMEA** for HPE Partners and the HPE EG EMEA Technical community.
We will bring together 70 best-in-class speakers, all top leaders in their domains and among them, **HPE Fellows** and **Distinguish Technologists**. They are the ones that make the "TES" so special.

Network HPE experts and specialists
Engage directly with industry luminaries and top HPE executives to see how our innovations shape the industry and engineer success.

Technology: Product and solution updates, roadmaps and strategy insights
The TES provides the perfect environment for you to explore how HPE can make you successful in the changing world of IT.
Get an update from our Top Management about **EG´s business strategy** and deep dive into technology in over **110 breakout sessions,** informative live discussions and engaging demos covering the relevant EG portfolio.
Practise what you have learnt in over **15 Hands-on Lab and demo sessions**.
Visit the HPE Moonshot Discovery Labs featuring Live latest HPE Technologies.

Sessions content is highly technical and addressed to experts and confirmed Channel Partners members.

Hewlett Packard Enterprise

The HPC and OSL TES Sponsors

Meet with key industry influencers and see what HPE and their partners create together.
See their innovations firsthand through dedicated sessions, demos and booths.

Socialize: Networking and contacts

We offer you various opportunities to exchange ideas, information and best practices. Move your business forward by networking with colleagues from different organisations and countries you rarely see and create new relationships with peers and partners.

Agenda structure:

Event Overview: HPC and OSL Technical Excellence Symposium 2017									
	Monday 20th		**Tuesday 21th**		**Wednesday 22th**		**Thursday 23th**		**Friday 24th**
TIME	HPE Internal day	TIME	HPE & Partners	TIME	HPE & Partners	TIME	HPE & Partners	TIME	HPE & Partners
08:00 – 9:00	Registration opens & Welcome in Sponsor Area	08:00 – 9:00	Registration opens & Welcome in Sponsor Area	08:30 – 8:50	Welcome in Sponsor Area	08:30 – 9:00	Welcome in Sponsor Area	08:15 – 8:40	Welcome in Sponsor Area
09:00- 09:10	HPC and OSL TES opening session	09:00- 09:15	HPC and OSL TES opening session	08:50 - 09:40	R6	08:50 - 09:40	R10	08:40 - 09:30	R16
09:10 - 09:50	Internal Keynote	09:15 - 09:50	General Keynote						
10:00 -10:50	Internal R1	09:50 - 10:30	Platinum Sponsor keynote	09:50 - 10:30	Gold Sponsor keynote	09:50 - 10:40	Sponsor Round 3	09:40 - 10:30	R17
10:50 - 11:20	Break	10:30 - 11:10	Break & Meet the sponsors	10:30 - 11:10	Break & Meet the sponsors	10:40 - 11:10	Break & Meet the sponsors	10:30 - 10:50	Break
11:20 - 12:10	Internal R2	11:10 - 12:00	R1	11:10 - 12:00	Sponsor Round 2	11:10 - 12:00	Sponsor Round 4	10:50 - 11:40	R18
12:20 – 13:10	Internal R2	12:10 – 13:00	R2	12:10 – 13:00	Channel Partner Get Together & Free	12:10 - 13:00	R11	11:50 - 12: 40	R19
13:10 - 14:20	Lunch	13:00 - 14:00	Lunch	13:00 - 14:00	Lunch	13:00 - 14:00	Lunch	12:50 - 13:10	Closing session
14:20 - 15:10	Internal R3	14:00 - 14:50	Sponsor Round 1	14:00 - 14:50	R7	14:00 - 14:50	R12	13:10 14:00	Lunch
15:20 - 16:10	Internal R4	15:00 - 15:50	R3	15:00 - 15:50	R8	15:00 - 15:50	R13		Optional: Labs repeated in Open Lab mode
16:10 - 16:40	Break	15:50 – 16:30	Break & Meet the sponsors	15:50 – 16:30	Break & Meet the sponsors	15:50 – 16:30	Break & Meet the sponsors	14:00 - 1600	
16:40 - 17:30	Internal R5	16:30 - 17:20	R4	16:30 - 17:20	R9	16:30 - 17:20	R14		
17:40 - 18:30	Internal R6	17:30 - 18:20	R5	17:30 - 18:20	Bench & Solution Centers visit	17:30 - 18:20	R15		
19:00 - 22:00	Welcome reception	19:15 - 23:00	Gala Dinner	18:30 - 21:00	"La Cuisine du TES" Free Evening	19:15 - 23:00	TES Reception: Networking dinner		

HPE employees: the event starts on Monday, **20th March 2017 at 09:00am.**
(please refer to the specific communication addressed to HPE employees).

HPE sponsors and HPE Channel Partners at TES: the event starts on Tuesday, **21th March 2017 at 9:00 am**.

All: the event ends on Friday, **24th March 2017 at 2:00 pm**. Optional OpenLabs sessions will be available on Friday afternoon.

Note: Session booking and hands-on lab booking will be available 4-6 weeks prior to event start and will allow you to select the sessions and hans-on lab sessions of your choice in advance.

Hewlett Packard Enterprise

Domains descriptions and high level session overview

HPC Solutions
- Latest performance data
- News on vertical market segments
- HPCaaS
- Projects best practices
- HPE HPC Software Stack / OpenHPC
- Containers for HPC

High Performance Storage
- GPFS
- BeeGFS and others
- Storage hierarchy trends
- Architecture for Lustre on HPE HW
- Burst buffer 101
- Flash based storage
- Big Data Storage solutions

High Performance Interconnect
- High speed interconnect solutions update
- HPE MPI
- Interconnect middleware
- HPE networking strategy (25G, 40G, 100G)

High Performance Compute
- Next generation of HPE Servers (SGI, HPE)
- Moonshot for HPC
- Next generation of Performance Optimized Datacenters
- The Machine
- HPC Cooling solutions
- GPU, GPGPU updates
- CMU 8.1 and above
- Batch Scheduler
- Compiler Environment

OpenSource Linux Solutions
- Linux distributions roadmap and support (SLES, RHEL, …)
- HPE ProLiant deployment solutions
- Latest Linux RAS server features
- Containers Ecosystem (Docker, Mesos, Kubernetes)
- DevOps tools (Ansible, GIT, Python)
- Hadoop Ecosystem
- OpenStack Ecosystem

Technology Trends
- New standard interfaces (Redfish, Swordfish, iLO5)
- ARM updates
- New Generation large scale topology (HyperX)
- Memory fabrics (GenZ)
- FPGA
- Non-Volatile memory solutions
- Optical backplane
- IoT
- Deep Learning

The Grenoble Experience
- The Moonshot and IoT Discovery lab
- HPC Center of Expertise