Energy Efficency in HPC

21-22 February 2019

Cineca - BOLOGNA

DAY 1

9:30 -10:00

Welcoming and introduction [Bartolini, Andrea UNIBO]

10:00 - 11:00

The Energy Efficiency Problem in HPC and Power Management Basics [Bartolini, Andrea UNIBO]

11:00 - 11:15

Break

11:15 - 11:45

Intel Power Management [Cesarini, Daniele UNIBO]

11:45 - 13:00

Hands on#1: Set-up and MSR_safe [Cesarini, Daniele UNIBO]

13:00 - 14:30

Lunch

14:30 - 15:30

GEOPM Theory [Eastep, Jonathan INTEL]

15:30 - 16:00

Hands on#2: GEOPM hands on [Eastep, Jonathan; Maiterth, Matthias INTEL]

16:00 -16:15

Break

16:15 - 17:30

Hands on#2: GEOPM hands on [Eastep, Jonathan; Maiterth, Matthias INTEL]

DAY 2

9:30 - 10:00

Power Management a TCO perspective [Borghesi, Andrea UNIBO]

10:00 - 10:30

Power Monitoring and Measurement [Libri, Antonio ETHZ]

10:45 - 11:00

Break

11:00 - 12:00

COUNTDOWN Theory [Cesarini, Daniele UNIBO]

12:00 - 13:00

MERIC Theory [Lubomir, Riha IT4I]

13:30 - 14:30

Lunch

14:30 - 15:45

Hands on#3: COUNTDOWN hands on [Cesarini, Daniele UNIBO]

15:45 - 16:00

Break

16:00 - 17:30

Hands on#4: MERIC hands on [Vysocký, Ondřej; Lubomir, Riha IT4I]