



# natESM Training 2024

5. - 6.11.2024 · JSC - FZ Jülich · Wilhelm-Johnen-Straße · 52428 Jülich

Day 1 • 5.11.2024

Day 2 • 6.11.2024

## Topic of the day:

### Performance Analysis

- 8:00** If needed: Bus shuttle from Jülich to JSC
- 8:30** Arrival and registration with coffee and snacks
- 9:00** Welcome and overview  
Sabine Griebach (FZ Jülich)
- 9:15** Presentation: Introduction to JUPITER
- 10:00** Presentation: Introduction to GPUs  
Andreas Herten (FZ Jülich)
- 10:45** C o f f e e b r e a k
- 11:15** Presentation: tba
- 12:00** L u n c h b r e a k @ s e e k a s i n o
- 13:00** Presentation: Introduction to performance analysis  
Markus Geimer (FZ Jülich)
- 13:45** Tutorial: Performance Analysis
- 15:45** C o f f e e b r e a k
- 16:15** Hands-on: Performance Analysis
- 18:00** Joint bus tour at the open-cast mine
- 19:00** D i n n e r @ I n d e m a n n  
(Zum Indemann 1, 52459 Inden)
- 21:30** If needed: Bus shuttle from Indemann to Jülich

## Topic of the day:

### GPU Programming

- 8:00** If needed: Bus shuttle from Jülich to JSC
- 8:30** Arrival and registration with coffee and snacks
- 9:00** Presentation: Overview GPU Programming models
- 9:45** Tutorial: GPU Programming I
- 10:45** C o f f e e b r e a k
- 11:05** Tutorial: GPU Programming II  
Andreas Herten (FZ Jülich)
- 12:30** L u n c h b r e a k @ s e e k a s i n o
- 13:30** Hands-on: GPU Programming  
Andreas Herten (FZ Jülich)
- 15:00** Wrap-up  
Sabine Griebach (FZ Jülich)
- 15:30** E n d o f t r a i n i n g
- 15:30** If needed: Bus shuttle from JSC to Jülich station

## Requirements:

Please bring your own laptop & make sure you have access to JUWELS (via SSH).