

CoE RAISE

All-Hands Meeting in Iceland

28.08.2023

Agenda and Goals

Andreas Lintermann (FZJ)

Agenda: Mon., 28.08.2023

| Welcome, Introduction, Keynote, and WP1 Presentation | | 12:25 – 13:30 |
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| 12:25 – 12:35 | Welcome address | M. Riedel A. Lintermann |
| 12:35 – 12:45 | CoE RAISE AHM Agenda and Goals | A. Lintermann |
| 12:45 – 13:05 | Keynote: The ADMIRE project | R. Sedona |
| 13:05 – 13:30 | WP1: Management Report, CoE RAISE Project Status Overview, and Cost-Neutral Extension | A. Lintermann |

| WP2 Presentations, Part 1 | | 13:30 – 14:50 |
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| 13:30 – 13:50 | WP2: AI- and HPC-cross methods at exascale | M. Riedel |
| 13:50 – 14:10 | T2.1 - Modular and heterogeneous supercomputing architectures | G. Houzeaux |
| 14:10 – 14:30 | T2.2 - Hardware prototypes | M. Aach |
| 14:30 – 14:50 | T2.3 - Benchmarking on disruptive technologies | R. Sarma |

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Coffee Break

14:50 – 15:10

WP2 Presentations, Part 2

15:10 – 17:20

15:10 – 15:30

T2.4 - Software design of a unique AI framework

M. Riedel

15:30 – 15:50

T2.5 - Cross-sectional AI methods

M. Riedel

15:50 – 16:10

Discussion buffer for WP2

WP3 Presentations

16:10 – 18:20

16:10 – 16:20

WP3: Compute-Driven Use-Cases towards Exascale

C. Lapeyre

16:20 – 16:40

T3.1 - AI for turbulent boundary layers

F. Hübenthal

16:40 – 17:00

T3.2 - AI for wind farm layout optimisation

G. Houzeaux

17:00 – 17:20

T3.3 - AI for data-driven models in reacting flows

C. Lapeyre

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| WP3 Presentations continued ... | | 16:10 – 18:20 |
| 17:20 – 17:40 | T3.4 - Smart models for next-generation aircraft engine design | C. Lapeyre |
| 17:40 – 18:00 | T3.5 - AI for wetting hydrodynamics | N. Savva |
| 18:00 – 18:20 | Discussion buffer for WP3 | |

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| Check-In Hotels | 18:20 – 19:20 |
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| Welcome drinks | 19:20 – 21:20 |
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Agenda: Tue., 29.08.2023

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| Agenda overview | | 8:25 – 8:30 |
| WP4 presentations | | 8:30 – 10:4 |
| 8:30 – 8:45 | Data Challenges | M. Girone |
| 8:45 – 8:55 | WP4: Data-Driven Use-Cases towards Exascale | M. Girone |
| 8:55 – 9:15 | T4.1 - Event reconstruction and classification at the CERN HL-LHC | E. Wulff |
| 9:15 – 9:35 | T4.2 - Seismic imaging with remote sensing for energy applications | L. Tiang |
| 9:35 – 9:55 | T4.3 - Defect-free metal additive manufacturing | K. De Grave |
| 9:55 – 10:15 | T4.4 - Sound engineering | E. Sumner |
| 10:15 – 10:45 | Discussion buffer for WP4 | |
| Coffee Break | | 10:45 – 11:05 |

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| WP5 presentations | | 11:05 – 12:45 |
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| 11:05 – 11:15 | WP5: Business Development | R. Van Thillo |
| 11:15 – 11:35 | T5.1 - Market analysis | R. Van Thillo |
| 11:35 – 11:55 | T5.2 - Development of a business model and business plan | R. Van Thillo |
| 11:55 – 12:15 | T5.3 - Establishment of legal grounds for the RAISE business | H.C. Hoppe |
| 10:15 – 10:45 | Discussion buffer and brainstorming WP5 | |

Lunch Break

12:45 – 13:45

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| WP6 presentations | | 13:45 – 14:55 |
| 13:45 – 13:55 | WP6: Outreach and Services | M.P. Baghetti |
| 13:55 – 14:15 | T6.1 - Training and education as services | I. Slaidins |
| 14:15 – 14:35 | T6.2 - Establishment of a European RAISE network | G. Houzeaux |
| 14:35 – 14:55 | T6.3 - Dissemination and communication | M. Bresser |
| 14:55 – 15:10 | Discussion buffer and brainstorming WP6 | |

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| Meeting Adjourn | 15:10 – 15:15 |
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| Social Activities | 16:00 – 18:00 |
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| Social Dinner | 19:00 – 22:00 |
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Agenda: Wed., 30.08.2023

AHM closing (M. Riedel)

8:30 – 10:00

Check-Out Hotels

9:00 – 9:30

Hot Spring Visit

10:00 – 14:00

Bus to Reykjavik

15:00 – 16:00

drive. enable. innovate.



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