

CoE RAISE

All-Hands Meeting in Iceland

28.-30.08.2023

Agenda and Goals

Andreas Lintermann (FZJ)

Agenda: Mon., 28.08.2023

Welcome, Introduction, Keynote, and WP1 Presentation		12:25 – 13:30
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
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	E. Inanc
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 – 16:10

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	

Check-In Hotels	18:20 – 19:20
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Welcome drinks	19:20 – 21:00
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Agenda: Tue., 29.08.2023

Agenda overview		8:25 – 8:30
WP4 presentations		8:30 – 10:45
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
11:05 – 11:15	WP5: Business Development	K. De Grave
11:15 – 11:35	T5.1 - Market analysis	K. De Grave
11:35 – 11:55	T5.2 - Development of a business model and business plan	K. De Grave
11:55 – 12:15	T5.3 - Establishment of legal grounds for the RAISE business	H.C. Hoppe
12:15 – 12:45	Discussion buffer and brainstorming WP5	

Lunch Break

12:45 – 13:45

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WP6 presentations		13:45 – 15:10
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	

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 – 9:30

Check-Out Hotels

9:00 – 9:30

Hot Spring Visit

9:30 – 14:15

Bus to Reykjavik

15:00 – 16:00

drive. enable. innovate.



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