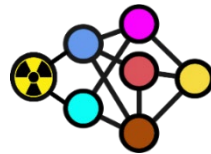




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Intelligent Radiation Sensor Readout Systems

i-RASE Project Meeting

21–22 May 2026

Host: IDEAS

Venue: Maridalsveien 323, 0872 Oslo, Norway

Notes for speakers

The agenda indicates the suggested WP attribution for each talk. Speakers are kindly asked to check that this attribution is correct and, where useful, include one slide on:

1. plans and next steps;
2. how the work aligns with the project objectives;
3. how the current results compare with the expected results in the proposal.

Name	First Name	Affiliation
Kuvvetli	Irfan	DTU Space
Owe	Selina	DTU Space
Lund-Harris	Malika	DTU Space
Kossakowski	Michal	DTU Space
Stougaard Klausen	Rikke	DTU Space
Hauberg	Søren	DTU Space
Arvanitidis	Georgios	DTU Space
Tcherniak	Denis	DTU Space



Valverde Mahou	Alejandro	DTU Compute
Tenzer	Chris	IAAT
Pommranz	Christian	IAAT
Weinert	Christopher	IAAT
Carminati	Marco	Politecnico di Milano
Bernardini	Leonardo	Politecnico di Milano
Bini	Alessia	Politecnico di Milano
Maehlum	Gunnar	IDEAS
Meier	Dirk	IDEAS
Al Jebali	Ramsey	IDEAS
Cherlin	Alexander	KROMEK
Baistow	Ian	KROMEK
Exley	Matthew	KROMEK
Winterbottom	Thomas	KROMEK
Atkins	Nathan	KROMEK

Thursday, 21 May 2026

Time	Topic	Lead / Notes
08:30–09:00	Arrival and coffee	IDEAS
09:00–09:10	Welcome, practical information, and meeting objectives	Dirk Meier
09:10–09:30	[WP7 WP5] General i-RASE status, milestones, DMP and ESRF planning	Irfan Kuvvetli
09:30–10:00	[WP7] Deliverables and coming review meeting walkthrough	Malika Lund-Harris
10:00–10:30	[WP1 WP4 WP5] DTU Space/DTU Compute technical update	30 min total
	GDS-100 status and interface PCB/test sample electrode	Rikke Stougaard Klausen





Time	Topic	Lead / Notes
	design update	
	Current NN positioning performance in 3D CZT DSD and charge cloud reconstruction	Michał Kossakowski, DTU compute
	Simulation-Based Inference for Interaction Position Reconstruction	Alejandro Valverde Mahou, DTU Compute
	DTU Compute update, data format discussion	DTU compute
10:30–10:45	Coffee break	
10:45–11:15	[WP2] Politecnico di Milano technical update : CHASER ASIC development and integration plans	30 min total
	CHASER ASIC development and integration plans	Marco Carminati
	CHASER ASIC design status	Leonardo Bernardini
	ASIC design and integration in detection setups, with ANN background	Alessia Bini
11:15–11:45	[WP3] Tübingen/IAAT technical update : Digital electronics and FPGA/AI inference	30 min total
	WP3 progress overview	Chris Tenzer
	Digital Electronics Status for i-RASE Setup-S.1	Christian Pommranz
	Zynq Progress: AI Inference on FPGA	Christopher Weinert
11:45–12:15	[WP4 WP5] KROMEK technical update	30 min total
	Detector/system-related progress, detector samples, and next steps	Ian Baistow/Alex Cherlin/KROMEK
12:15–13:00	Lunch	All
13:00–13:25	Group photo	All
13:25–13:45	[WP5 WP4] Integration and Validation status	15–20 min
	Integration and validation status	Irfan Kuvvetli



Time	Topic	Lead / Notes
	Ongoing manufacturing activities for test detector samples, short oral update, no slides	Denis Tcherniak
13:45–14:30	Follow-up from previous meetings: Tübingen and Newcastle open actions	Malika Lund-Harris, Irfan Kuvvetli
14:30–14:50	Coffee break	All
14:50–15:50	Technical integration discussion: detector, readout, FPGA/ANN, interfaces, data format, test samples and system dependencies	Irfan Kuvvetli, Søren Hauberg
15:50–16:30	Next phase of the project: priorities, risks, dependencies and critical path	Irfan Kuvvetli
16:30	End of Day 1 formal meeting	
Optional	Optional fjord swim near the Opera [link]	Dirk & interested participants
19:30	Project dinner in Oslo (Olivia Aker Brygge, Stranden 3, 0250 Oslo) [menu]	All

Friday, 22 May 2026

Time	Topic	Lead / Notes
08:30–08:45	Coffee and recap of Day 1	Irfan Kuvvetli
08:45–09:45	Requirements and WP dependencies discussion	Irfan Kuvvetli
09:45–10:10	[WP5] IDEAS update: GDS-100 progress and future plans	Dirk Meier, Ramsey Al Jebali, Thomas Nesjø
10:10–10:40	[WP5 WP4] GDS-100 demonstrator, detector samples and validation plan	All
10:40–10:55	Coffee break	
10:55–11:55	[WP7] Deliverables, milestones, reporting and review readiness	DTU Space / all WP leads
11:55–12:40	Lunch	All
12:40–13:25	[WP6] Exploitation, IP, publications and dissemination	WP6/all



Time	Topic	Lead / Notes
	planning	
13:25–13:50	Next project proposal: call, applicant requirements, expected budget and readiness	Irfan Kuvvetli
13:50–14:15	Consolidating minutes, actions, responsibilities and deadlines	Irfan Kuvvetli
14:15–15:15	IDEAS lab / facilities visit	IDEAS
15:15	End of meeting	