

# AI-for-Accelerators

	2020-10				2020-11				2020-12					2021-1				2021-2				2021-3			
	41	42	43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12
<b>AI-for-Accelerators</b>	<b>AI-for-Accelerators</b>																								
<b>Data Products, Part 1</b>	<b>New</b>																								
Full current set data readout and storage	<b>New</b>																								
Create list of initial set of devices (...)	<b>New</b>																								
Develop solution for querying stored (...)	<b>New</b>																								
Estimate storage requirements over 1, (...)	<b>New</b>																								
<b>Build offline training system</b>	<b>New</b>																								
Build a framework for agent deployment	<b>New</b>																								
Investigate TF-Agents, home-brew (...)	<b>New</b>																								
Build a distributed training system (...)	<b>New</b>																								
<b>Set up long-term storage mechanism for data (...)</b>	<b>New</b>																								
<b>Algorithm development, part I</b>	<b>New</b>																								
Develop research plan for safe agent (...)	<b>New</b>																								
Build agent for training from historical (...)	<b>New</b>																								
Train agent, iterating on different (...)	<b>New</b>																								
Build a "kick-started" candidate agent (...)	<b>New</b>																								
Train agent, iterating on different (...)	<b>New</b>																								
<b>Test algorithm implementation on hardware (...)</b>	<b>New</b>																								
Test full workflow with boards on-hand	<b>New</b>																								
Understand input bandwidth requirements	<b>New</b>																								
Design ACNET input system for the board	<b>New</b>																								
Understand required number of ops / (...)	<b>New</b>																								
<b>Data products, part 2</b>	<b>New</b>																								
Refine list of required devices and (...)	<b>New</b>																								
Refine long-term storage estimates	<b>New</b>																								
<b>Hall work part 1</b>	<b>New</b>																								
Establish a safe and ORC-allowed work (...)	<b>New</b>																								
<b>Algorithm development, part 2</b>	<b>New</b>																								

Investigate deployment to PC for "slow" (...)	New	
Implement agent based on training to (...)	New	
Data products, part 3	New	
Finalize list of required devices and (...)	New	
Finalize long-term storage estimates (...)	New	
Historical agent	New	
Training mechanism validation	New	
Demonstrate training based on data collection (...)	New	
Demonstrate training based on data collection (...)	New	
Demonstrate dynamic loading of weights (...)	New	
Project extension exploration, part 1		New
Project finalization		New