

Project title: Concise title reflecting how this project advances AI hardware

1. Participating Hub Partners: List all participating organizations (not personnel names). Note that all participating organizations are required to be active NW-AI-Hub members at the time of proposal submission to DoD.

2. Project Description

2.1 Vision, goals, and impact: About 5-6 lines describing the vision, goals, and impact.

- Clearly identify the AI hardware topic that this project is responding to
- Clearly state if this project can address all desired end-state and success criteria by itself. If not, state what is needed from the NW-AI-Hub to achieve full success. Note that white papers that are closer to complete solutions will be favorably reviewed.
- Clearly state the entering TRL/MRL and exiting TRL/MRL here. In the “Approach” section below, explain how this will be achieved. Descriptions on TRL/MRL can be found in the MRL Deskbook.

2.2 Background: About 15-20 lines describing the background and previous work. Hub projects should target lab-to-fab transition. The proposed project should have previously demonstrated laboratory results and not a basic science study or topics that will be studied for the first time. Please refer to the Call for Projects for detailed instructions.

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2.3 Approach: About 1 page. Describe how this project will achieve the three objectives of the Microelectronics Commons: (a) use NW-AI-Hub services and technology enabled by our Hub members, (b) meet DoD objectives, (c) relate to NW-AI-Hub focus topic of AI hardware.

Structure the work as Year 1, Year 2, and Year 3. If appropriate, provide a vision for Year 4 and 5. If this white paper is linked to another one, clearly state it here and explain the synergy.

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Insert one or two figures here in this table.

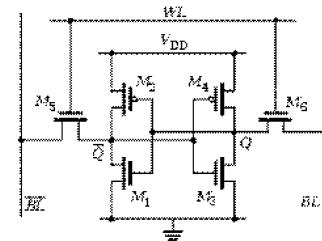


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2.4 Relevance to Microelectronics Commons and NW-AI-Hub: Commons Hub mission is lab-to-fab for on-shore foundry for DoD applications. Describe how this proposed project is relevant to this goal. Clearly state why this project should be done with the NW-AI-Hub. Identify any specific Hub facilities or resources to be utilized. If this white paper is related to or linked with another white paper being submitted to the NW-AI-Hub, please state it here so we can evaluate the white papers together. Nam et tempus justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Nunc congue purus vel dolor euismod ut venenatis nulla commodo. Phasellus molestie nisl urna. Nam ut nisi ut dui malesuada sollicitudin quis et turpis. Etiam at est est. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae.

References should be included as footnotes on page 2.

Total should be 2 pages plus one page for the milestone, key personnel, and budget table.

Milestone Table (Optional): Estimated milestone timeline including innovations, milestones, and tasks. The table provided only serves as an example. Proposers can use any format that clearly shows milestones by year.

TASKS AND MILESTONES		Year 1				Year 2				Year 3			
		1	2	3	4	1	2	3	4	1	2	3	4
1	MAIN TASK 1												
1.1	Sub-task 1.1												
	Milestone		■										
	Milestone			■									
1.2	Sub-task 1.2												
	Milestone						■						
	Milestone									■			
	Milestone												
2	MAIN TASK 2												
2.1	Sub-task 2.1												
	Milestone		■										
	Milestone			■									
	Milestone						■						
2.2	Sub-task 2.2												
	Milestone										■		
	Milestone												
3	MAIN TASK 3												
3.1	Sub-task 3.1												
	Milestone						■						
	Milestone									■			
	Milestone												
3.2	Sub-task 3.2												
	Milestone												■
	Milestone												
	Milestone												
	Milestone												

Participating Key Personnel

H.-S. Philip Wong	Stanford University	hspwong@stanford.edu
Subhasish Mitra	Stanford University	subh@stanford.edu
XXX	YYY	xxx@yyy.com

Budget Table. If you expect to be part of a broader project, please include only the part this project requires. If you are proposing a component of an integrated proposal, please keep in mind the total ask for each integrated proposal should be targeted for \$3-5M for Year 1.

Category	Year 1	Year 2	Year 3	Total
Direct labor				
Lab fees and supplies				
Indirect costs				
Foundry (including tapeout and packaging)				
IT & software licenses				
Yearly Total				