

Thesis/Project proposal

Name	DSP_SYNCH
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Type	Implementation, Research
Keywords	Synchronization, Agent-based model, Consensus algorithm, Software Implementation, network, DSP, C, Code Composer (Texas Instruments)
Description	<p>The thesis focus on the development of a SW implementation of an agent-method synchronization methodology [1][2]. The implementation will be developed on DSP system, two or more in network. The device proposed is a Texas Instruments DSP [3]. The aim is to reach the synchronization of a variable managed by each DSP through a consensus algorithm.</p> <p>Details:</p> <ul style="list-style-type: none"> - Study [1] and [2] - SW implementation (C) [3] - SW deployment and validation - Synchronization performance retrieval
Expected Duration	4-5 months
References (Online)	<p>[1] https://www.sciencedirect.com/science/article/pii/S0005109811003116?via%3Dihub</p> <p>[2] http://eudl.eu/doi/10.4108/eai.21-4-2016.151160</p> <p>[3] http://www.ti.com/tool/CCSTUDIO#</p> <p>[4] http://www.ti.com/processors/digital-signal-processors/overview.html</p>
References (Attached)	