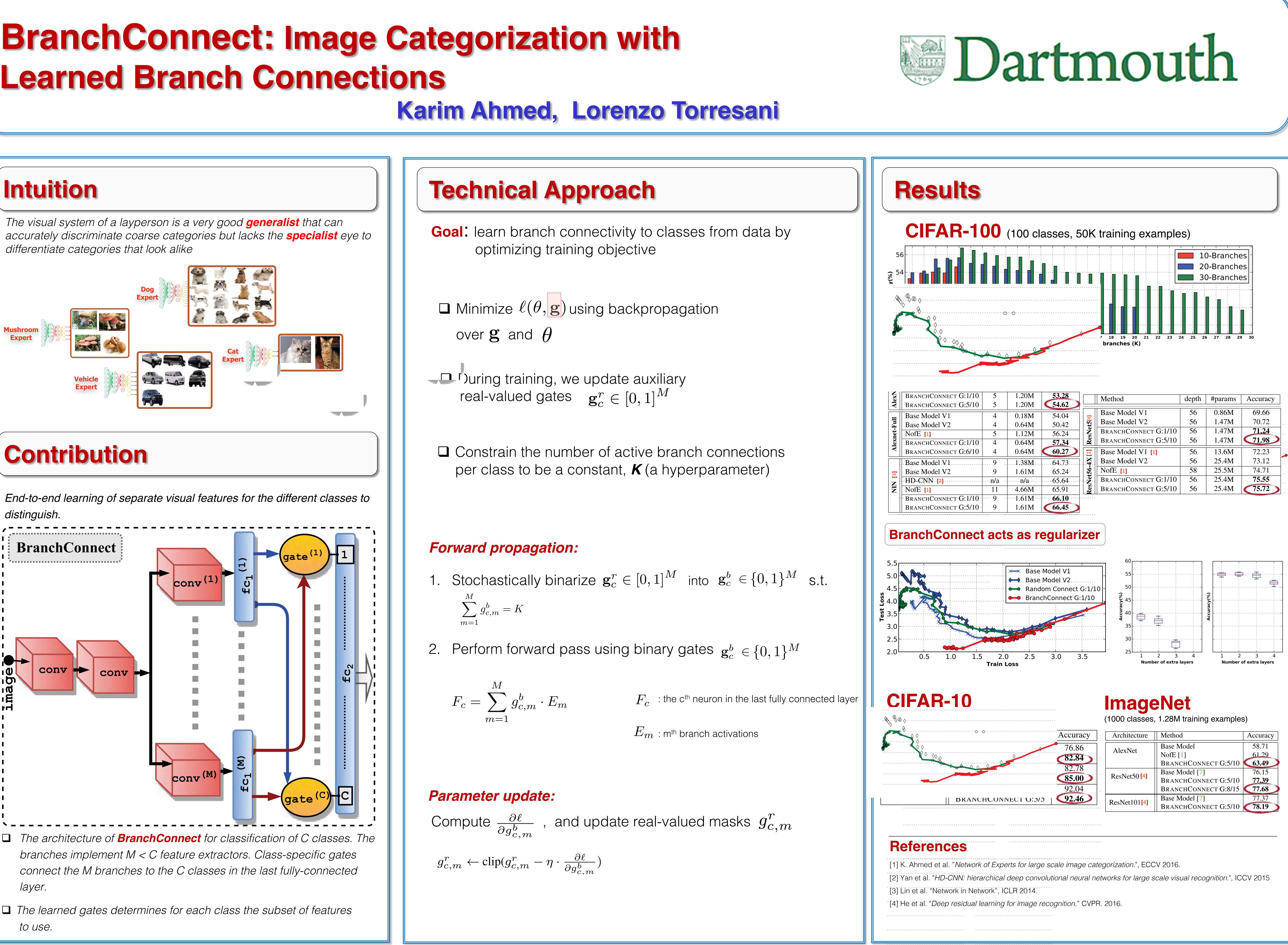
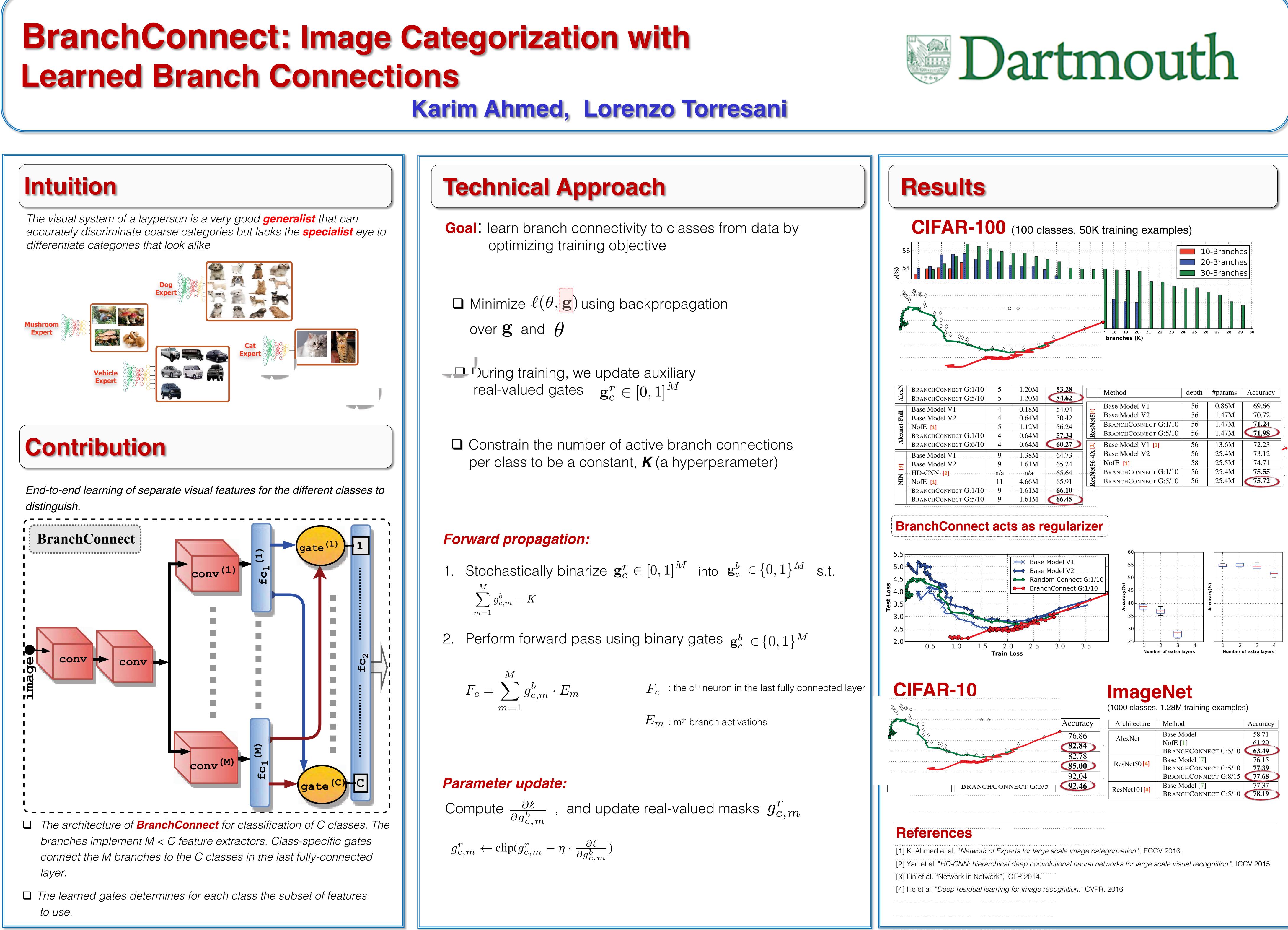
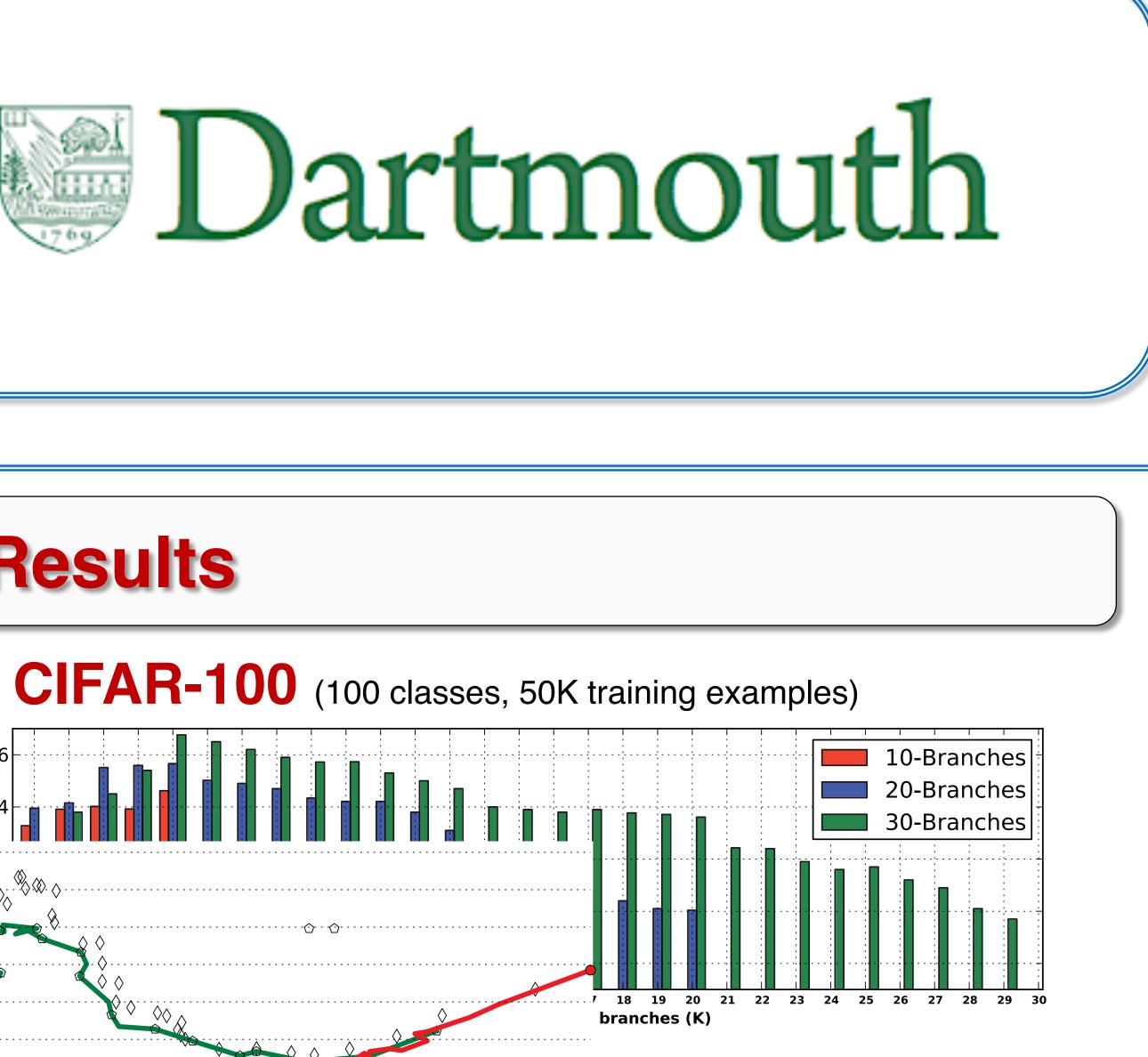
BranchConnect: Image Categorization with **Learned Branch Connections**







1 201 5							
1.20M	53.28		Method	depth	#params	Accuracy	
1.20M	54.62			I	1	7	
0.18M	54.04		Base Model V1	56	0.86M	69.66	
0.64M	50.42	ResNet56-4X [1] ResNet5[4]	Base Model V2	56	1.47M	70.72	
1.12M	56.24		BRANCHCONNECT G:1/10	56	1.47M	71.24	
0.64M	57.34		BRANCHCONNECT G:5/10	56	1.47M	71.98	
0.64M	60.27		Base Model V1 [1]	56	13.6M	72.23	
1.38M			Base Model V2	56	25.4M	73.12	
1.61M	65.24		NofE [1]	58	25.5M	74.71	
··n/a·····			BRANCHCONNECT G:1/10	56	25.4M	75.55	
4.66M	65.91	Res	BRANCHCONNECT G:5/10	56	25.4M	75.72	
1:61·M····	66.10	·····					
1.61M	66.45						
	and the second sec						

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	Architecture	Method	Accuracy
	AlexNet	Base Model	58.71
	Alexinet	NofE [1]	61.29
_		BRANCHCONNECT G:5/10	63.49
	ResNet50 [4]	Base Model [7]	76.15
		BRANCHCONNECT G:5/10	77.39
-		BRANCHCONNECT G:8/15	77.68
	ResNet101[4]	Base Model [7]	77.37
] 		BRANCHCONNECT G:5/10	78.19