NEC Laboratories America **Relentless** passion for innovation

Joint SFM and Detection Cues for Monocular 3D Localization in Road Scenes





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Trajectory smoothness and

acks		Tracked bounding boxes*					
Far Object		Near Object			Far Object		
X(m)	Size(%)	Z(%)	X(m)	Size(%)	Z(%)	X(m)	Size(%)
0.79	12.3	13.9	0.58	16.1	26.9	0.75	12.0
0.35	12.3	13.3	0.50	16.1	10.2	0.33	12.0
0.35	13.3	9.5	0.33	13.5	9.4	0.34	13.6
0.33	12.1	9.4	0.32	12.4	9.5	0.33	12.5
0.34	11.8	9.4	0.30	10.9	11.2	0.37	14.2
0.33	12.0	8.3	0.28	8.0	10.4	0.36	13.9