

UTSA COE Critical Infrastructure Cluster

#	Last, First Name	Dept	Transportation					Water					Energy					Housing, Buildings					Infrastructure					Current Collaborators								
			Automated Vehicles	Resilience & Durability	Traffic Safety	Planning & Mobility	Environmental Impact	Quality	Treatment technologies	availability	Floods, extreme events	Water distribution systems	Conservation	Health, Other	Generation, Renewable, Alternative	Conservation, Efficiency	Transport, Distribution	Storage	Infrastructure Resilience	Other	Environmental Impact	Resilience, Hurricanes	Energy,	Life span extensions	Design Improvement	Repair & Rehabilitation	Planning & Management		Health	Improved Design	Health Monitoring	Repair & Rehabilitation	Materials	Resilience		
1	Alamaniotis, Miltos	ECE												4		3		1	2									6	5							15
2	Arroyo, Albert	CE																						1						2						5
3	Browning, JoAnn	CE																			1		1	1	1				1	2	1	1	1			
4	Dessouky, Samer	CE		1	1	2	1							1				1										2	2	2	1	1			9, 21,23,16,19,12,11	
5	Diaz, Manuel	CE																			1		1	1	1	2		1	1	1	1	1			2,3,7,14,18,24	
7	Ghannoum, Wassim	CE															2				1		1	1	1			1	1	1	1	1			5,14,16	
8	Giacomoni, Marcio	CE						3		1	1	1	2																						20, 23	
9	Guo, Ruyan	ECE												1	1		1				2	2							1			2			4,16	
10	Johnson, Drew	CE					2	1	1	1	2	1	1	2	3	2					3		3				2					2			11, 20, 8	
11	Kapoor, Vikram	CE					1	1	1	2	2	2	2	1	3					3															4,8,10,19,20	
12	Kumar, Amit	CE	1	1	2	1	2									2		2		2													2		4, 11, 19	
13	Manteufel, Randall	ME													3	1		1			3		2													
14	Matamoros, Adolfo	CE		1																	1			1	2			1	2	1	1	1				
15	Millwater, Harry	ME																										2	1				2			16, 17
16	Montoya, Arturo	CE													3		2				2			1	3		3	1							4, 14, 15, 16, 20,21	
17	Restrepo, David	ME																			1												1	1		15,16
18	Shafique, Sazzad	CE					2	1	2	1	2	3	3					2		2	1		1	1	1			1		1	1				10, 11, 19, 22	
19	Sharif, Hatim	CE		1	1	2	1	1	3	1	1	2	2	1		3		2			1		3	3			2	2					1		4, 8,11,12	
20	Shiple, Heather	CE					3	1	1	1	3	2	1	2														3								8,10,11,16
21	Testik, Firat	CE		2			2			1	1							2		2	1							2						2		14, 16
22	Huang, Jie	CE													1		2	1			1												1		18, 24	
23	Papagiannakis	CE																										3	2	4	1					4, 8, 9, 25
24	Weissmann	CE	1	1	1	1	1																					1	1	1	1	1				4, 16, 19, 22

** Faculty research areas matrix ranked on a five-point scale (1 - 5) with 1 representing highest interest.