University of Maryland Eastern Shore
Department of Engineering
ENEM 688

ENEM 688 Weekly Assignments

Week	TM	TO	CS	Notes
1 — 08/25	√	√		1st week meeting
2 — 09/01	[A1]: ICC 2022	[B1]: TMC 2022	√	
3 — 09/08	√	[B1]: TMC 2022	Vehicle communications	
4 — 09/15	[A2] IEEE TITS 2023	[B2]: ToC 2025 &[B3]TWC 2024	√	
5 — 09/22	√	√	[C1] Counter-UAS work	
6 — 09/29	[A3] 4 pages & [A4]	[B4]:IoT 2025	[C2] TMC 2022	
7 — 10/06	[A5] VTC 2024	[B5]:TVT 2025	[C3] IEEE Access 23	
8 — 10/13				
9 — 10/20				
10 —10/27				
11 — 11/03				
12 — 11/10				
13 — 11/17				
14 — 11/24				
15 — 12/01				

References of TM:

[A1] L. Zhang and B. Jabbari, “Machine Learning Driven Latency Optimization for Application-aware Edge Computing-based IoTs,” in Proceedings of IEEE International Conference on Communications (ICC), pp. 183-188, May 2022.

[A2] C. Milias et al., "UAS-Borne Radar for Autonomous Navigation and Surveillance Applications," in IEEE Transactions on Intelligent Transportation Systems, vol. 24, no. 7, pp. 7215-7229, July 2023.

[A3] W. Chen et al., "5G-Advanced Toward 6G: Past, Present, and Future," in IEEE Journal on Selected Areas in Communications, vol. 41, no. 6, pp. 1592-1619, June 2023, doi: 10.1109/JSAC.2023.3274037.

[A4] N. Wang, H. Wang, J. Gao and C. Yang, "Radar Parameter Estimation Algorithm for Small UAV Targets," 2025 4th International Symposium on Computer Applications and Information Technology (ISCAIT), Xi'an, China, 2025, pp. 2004-2007.

[A5] M. Saif and S. Valaee, "Improving Connectivity of RIS-Assisted UAV Networks using RIS Partitioning and Deployment," 2024 IEEE 100th Vehicular Technology Conference (VTC2024-Fall), Washington, DC, USA, 2024, pp. 1-6.

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[B1] L. Wang, K. Wang, C. Pan, W. Xu, N. Aslam and A. Nallanathan, "Deep Reinforcement Learning Based Dynamic Trajectory Control for UAV-Assisted Mobile Edge Computing," in IEEE Transactions on Mobile Computing, vol. 21, no. 10, pp. 3536-3550, Oct. 2022.

[B2] Z. Shao, H. Yang and Z. Xiong, "Intelligent Latency-Oriented Optimization for Multi-UAV-Assisted Mobile Edge Computing in Space-Air-Ground Integrated Networks," in IEEE Transactions on Communications, Aug. 2025.

[B3] M. Hui, J. Chen, L. Yang, L. Lv, H. Jiang and N. Al-Dhahir, "UAV-Assisted Mobile Edge Computing: Optimal Design of UAV Altitude and Task Offloading," in IEEE Transactions on Wireless Communications, vol. 23, no. 10, pp. 13633-13647, Oct. 2024.

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[B5] C. Wang et al., "Computing Power in the Sky: Digital Twin-Assisted Collaborative Computing With Multi-UAV Networks," in IEEE Transactions on Vehicular Technology, vol. 74, no. 9, pp. 14466-14482, Sept. 2025.

References of CS:

[C1] A. D. Brown, "Radar Challenges, Current Solutions, and Future Advancements for the Counter Unmanned Aerial Systems Mission," in IEEE Aerospace and Electronic Systems Magazine, vol. 38, no. 9, pp. 34-50, 1 Sept. 2023.

[C2] L. Wang, K. Wang, C. Pan, W. Xu, N. Aslam and A. Nallanathan, "Deep Reinforcement Learning Based Dynamic Trajectory Control for UAV-Assisted Mobile Edge Computing," in IEEE Transactions on Mobile Computing, vol. 21, no. 10, pp. 3536-3550, 1 Oct. 2022.

[C3] D. Lu, J. Ye, Y. Wang and Z. Yu, "Plant Detection and Counting: Enhancing Precision Agriculture in UAV and General Scenes," in IEEE Access, vol. 11, pp. 116196-116205, Oct.2023.