

ENEM 688 Weekly Assignments

Week	Canas	TM	TO	CS	Notes
1 — 08/25		√	√		1 st week meeting
2 — 09/01	1	[A1]: ICC 2022	[B1]: TMC 2022	√	
3 — 09/08	2	√	[B1]: TMC 2022	Vehicle communications	
4 — 09/15	3	[A2]: IEEE TITS 2023	[B2]: ToC 2025 & [B3]:TWC 2024	√	
5 — 09/22	4	√	√	[C1] Counter-UAS work	
6 — 09/29	5	[A3] 4 pages & [A4]	[B4]:IoT 2025	[C2] TMC 2022	
7 — 10/06	6	[A5]:VTC 2024	[B5]:TVT 2025	[C3] IEEE Access 23	
8 — 10/13	7	[A6]:TWC2024	[B6]:TMC 2024	√	CS tried to join online meeting but failed
9 — 10/20	8	[A7] TWC 2024	√	[C4]	TO not present
10 — 10/27	9	Presented Summary	Presented Summary [B7]:	[C5] not presented	CS not present
12 — 11/10	10	Presented UAV-RIS	Presented UAV-VLC	Presented UAV-IoT	
14 — 11/24	11				
15 — 12/01	Final				Final Presentation

References of TM:

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- [A2] C. Miliyas 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.
- [A6] H. Yang, S. Liu, L. Xiao, Y. Zhang, Z. Xiong and W. Zhuang, "Learning-Based Reliable and Secure Transmission for UAV-RIS-Assisted Communication Systems," in IEEE Transactions on Wireless Communications, vol. 23, no. 7, pp. 6954-6967, July 2024.
- [A7] Zhang, B., Yang, K., Wang, K. and Zhang, G., "Performance Analysis for RIS-Assisted SWIPT-Enabled IoT Systems", in IEEE Transactions on Wireless Communications, 23 (8). pp. 10030 - 10043.

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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.
- [B4] A. A. Al-Bakhrani, M. Li, M. S. Obaidat and G. A. Amran, "MOALF-UAV-MEC: Adaptive Multiobjective Optimization for UAV-Assisted Mobile Edge Computing in Dynamic IoT Environments," in IEEE Internet of Things Journal, vol. 12, no. 12, pp. 20736-20756, June 2025.
- [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.
- [B6] J. Li, G. Sun, L. Duan and Q. Wu, "Multi-Objective Optimization for UAV Swarm-Assisted IoT With Virtual Antenna Arrays," in IEEE Transactions on Mobile Computing, vol. 23, no. 5, pp. 4890-4907, May 2024.
- [B7] J. -Y. Wang, D. -P. Su, P. Feng, N. Liu and J. -B. Wang, "Optimal Height of UAV in Covert Visible Light Communications," in IEEE Communications Letters, vol. 27, no. 10, pp. 2682-2686, Oct. 2023.

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- [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.
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- [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.
- [C4]
- [C5] Y. K. Tun, Y. M. Park, N. H. Tran, W. Saad, S. R. Pandey and C. S. Hong, "Energy-Efficient Resource Management in UAV-Assisted Mobile Edge Computing," in *IEEE Communications Letters*, vol. 25, no. 1, pp. 249-253, Jan. 2021.