

1. Name: **Hussein Obeid**
2. Education:
 - Ph.D. Control Engineering, Femto-ST institute, University of Bourgogne Franche-Comté, France, 2018.
 - MSc. Electrical Engineering, Lebanese University, Lebanon, 2014.
3. Academic experience:
 - Mechanical & Industrial Engineering, Sultan Qaboos University, Assistant Professor, 2024-Present.
 - Industrial Engineering and Maintenance, University of Caen Normandy, France, Associate Professor, 2020-2024.
 - Electrical Engineering, University of Bourgogne Franche-Comté, France, Assistant Professor, 2018-2020.
 - Electrical Engineering, University of Technology of Belfort-Montbéliard, Lecturer, 2016-2018.
4. Non-academic experience:
5. Certifications or professional registrations:
6. Current membership in professional organizations:
 - Institute of Electrical and Electronics Engineers (IEEE),
7. Honors and awards:
8. Service activities (within and outside of the institution):
 - Acting as a reviewer for several prestigious international journals, such as IEEE transactions on Automatic Control, The International Journal of Robust and Nonlinear Control, and the Journal of Franklin Institute.
 - Co-PI for a number of funded research projects.
9. Briefly list the most important publications and presentations from the past five years:
 - Y. Chitour, **H. Obeid**, S. Laghrouche, L. Fridman, (2025) Barrier function-based adaptive continuous higher-order sliding mode controllers, Nonlinear Analysis: Hybrid Systems, 2025. <https://doi.org/10.1016/j.nahs.2024.101551>.
 - L. Ovalle, A. Gonzalez, L. Fridman, S. Laghrouche, **H. Obeid**, (2025) Analysis of barrier function based adaptive sliding mode control in the presence of deterministic noise, Automatica 171, pp. 111946.
 - A Badji, **H. Obeid**, M. Hilairret, S. Laghrouche, DO. Abdeslam, A. Djerdir, (2025) Enhanced energy management of fuel cell electric vehicles using integral sliding mode control and passivity-based control, Applied Energy 377, pp. 124653.

- C. D. Cruz-Ancona, L. Fridman, **H. Obeid**, S. Laghrouche, C. A. Pérez-Pinacho, (2023) A uniform reaching phase strategy in adaptive sliding mode control, *Automatica*, vol. 150, pp. 110854.
- **H. Obeid**, R. Petrone, H. Gualous, H. Chaoui, (2022) Higher Order Sliding-Mode Observers for State-of-Charge and State-of-Health estimation of Lithium-ion batteries, *IEEE transactions on Vehicular Technology*, vol. 72, pp. 4482-4492.
- **H. Obeid**, S. Laghrouche, L. Fridman, (2021) Dual layer barrier functions based adaptive higher order sliding mode control, *International journal of robust and nonlinear control*, vol. 31, pp. 3795-3808.
- Y. Zhou, **H. Obeid**, S. Laghrouche, M. Hilairat, A. Djerdir, (2021) A novel second-order sliding mode control of hybrid fuel cell/super capacitors power system considering the degradation of the fuel cell, *Energy Conversion and Management*, vol. 229, pp. 113766.
- S. Laghrouche, M. Harmouche, Y. Chitour, **H. Obeid**, L. Fridman, (2021) Barrier function-based adaptive higher order sliding mode controllers, *Automatica*, vol. 123, pp. 109355.

10. Briefly list the most recent professional development activities:

- Teaching & Learning Program at the Multimedia Teaching Center, University of Caen Normandy, September 2020 to July 2021.