

## Luc Stephane Houriez

- Ph.D. Student in Mechanical Engineering, admitted Autumn 2023
- Public Speaking Tutor, School of Engineering - Technical Communications Program

### Publications

---

#### PUBLICATIONS

- **Reinforced ridges in Thwaites Glacier yield insights into resolution requirements for coupled ice sheet and solid Earth models** *CRYOSPHERE*  
Houriez, L., Larour, E., Caron, L., Schlegel, N., Adhikari, S., Ivins, E., Pelle, T., Seroussi, H., Darve, E., Fischer, M.  
2025; 19 (10): 4355-4372
- **Tunable non-reciprocal waveguide using spoof plasmon polariton coupling to a gaseous magnetoplasmon** *OPTICS LETTERS*  
Cappelli, M. A., Bernety, H., Sun, D., Houriez, L., Wang, B.  
2023; 48 (14): 3725-3728
- **A tunable microwave circulator based on a magnetized plasma as an active gyrotropic element** *PHYSICS OF PLASMAS*  
Bernety, H., Houriez, L. S., Rodriguez, J. A., Wang, B., Cappelli, M. A.  
2022; 29 (11)
- **A characterization of plasma properties of a heterogeneous magnetized low pressure discharge column** *AIP ADVANCES*  
Bernety, H., Houriez, L. S., Rodriguez, J. A., Wang, B., Cappelli, M. A.  
2022; 12 (11)
- **Experimental study of electromagnetic wave scattering from a gyrotropic gaseous plasma column** *APPLIED PHYSICS LETTERS*  
Houriez, L. S., Bernety, H., Rodriguez, J. A., Wang, B., Cappelli, M. A.  
2022; 120 (22)