

Stanford

Kawin Surakitbovorn

Postdoctoral Scholar, Electrical Engineering

Bio

STANFORD ADVISORS

- Juan Rivas-Davila, Postdoctoral Faculty Sponsor

Teaching

COURSES

2020-21

- Introductory Research Seminar in Electrical Engineering: EE 301 (Sum)

Publications

PUBLICATIONS

- **C-OSS Losses in 600 V GaN Power Semiconductors in Soft-Switched, High- and Very-High-Frequency Power Converters** *IEEE TRANSACTIONS ON POWER ELECTRONICS*
Zulauf, G., Park, S., Liang, W., Surakitbovorn, K., Rivas-Davila, J.
2018; 33 (12): 10748–63
- **An Integrated RF Power Delivery and Plasma Micro-Thruster System for Nano-Satellites** *FRONTIERS IN PHYSICS*
Liang, W., Charles, C., Raymond, L., Stuchbery, A., Surakitbovorn, K., Gu, L., Boswell, R., Rivas-Davila, J.
2018; 6
- **Evaluation of GaN Transistor Losses at MHz Frequencies in Soft Switching Converters**
Surakitbovorn, K., Davila, J., IEEE
IEEE.2017
- **Output Capacitance Losses in 600 V GaN Power Semiconductors with Large Voltage Swings at High- and Very-High-Frequencies**
Zulauf, G., Liang, W., Surakitbovorn, K., Rivas-Davila, J., IEEE
IEEE.2017: 352–59
- **Bumpless Automatic Transfer for a Switched-Doubly-Fed-Machine Propulsion Drive** *IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS*
Banerjee, A., Chang, A. H., Surakitbovorn, K. N., Leeb, S. B., Kirtley, J. L.
2015; 51 (4): 3147-3158