

Stanford



Saleh Kargarrazi

Postdoctoral Research Fellow, Aeronautics and Astronautics

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- Winner of the the startup idea challenge "Digital Future", KTH Innovation (2016)
- Awarded Postdoctoral Fellowship Grant, Knut and Alice Wallenberg foundation (2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Journal Reviewer, IEEE Sensors (2018 - present)
- Journal Reviewer, IEEE Electron Device Letters (EDL) (2017 - present)
- Journal Reviewer, IEEE Journal of Electron Device Society (JEDS) (2018 - present)
- Journal Reviewer, IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE) (2018 - present)
- Journal Reviewer, IEEE Transactions on Industrial Electronics (TIE) (2018 - present)
- Member, IEEE (2010 - present)
- Member, POETS (Center for Power Optimization of Electro-thermal Systems) (2017 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Kungliga Tekniska Hogskolan (2017)

LINKS

- Saleh's Personal Webpage: <http://web.stanford.edu/~skargar/>
- XLab at Stanford: <https://xlab.stanford.edu/>
- My Google Scholar Page: <https://scholar.google.se/citations?user=C4KkHAQAAAAJ&hl=en>
- My LinkedIn webpage: <https://www.linkedin.com/in/saleh-kargarrazi-5182111a/>
- My RG profile (Free access to articles if needed): https://www.researchgate.net/profile/Saleh_Kargarrazi
- Cadwiki for XLab: https://cadwiki.stanford.edu/mediawiki/index.php/Senesky_Group
- Stanford Nanofabrication Facility Homepage: <http://snf.stanford.edu/>
- What is POETS?: <http://poets-erc.org/>
- What is KTH Innovation?: <https://www.kth.se/innovation>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Wide bandgap Technologies for Sensors and Electronics

Publications

PUBLICATIONS

- **500 degrees C SiC PWM Integrated Circuit** *IEEE TRANSACTIONS ON POWER ELECTRONICS*
Kargarrazi, S., Elahipanah, H., Saggini, S., Senesky, D., Zetterling, C.
2019; 34 (3): 1997–2001

- **Cascode GaN/SiC Power Device for MHz Switching**
Xu, J., Gu, L., Ye, Z., Kargarrazi, S., Rivas-Davila, J., IEEE
IEEE.2019: 2780–85

- **500 degrees C, High Current Linear Voltage Regulator in 4H-SiC BJT Technology** *IEEE ELECTRON DEVICE LETTERS*
Kargarrazi, S., Elahipanah, H., Rodriguez, S., Zetterling, C.
2018; 39 (4): 548–51

- **Nanosopic control and quantification of enantioselective optical forces** *Nature Nanotechnology*
Zhao, Y., Saleh, A., van de Haar, M., Baum, B., Briggs, J. A., Lay, A., Reyes-Becerra, O. A., Dionne, J. A.
2017: 1055–59