

# Fiber Optics Sensing Association



- FOSA is a non-profit industry association formed in 2017 in Washington D.C to promote Distributed Fiber Optic Sensing (DFOS) across many markets
- For Electric Grids, distributed sensing technologies are easily integrated with response measures and can identify threats in real-time and continuously for strain on power cables from ice loads; cable sag from overheating; temperature changes due to environmental and operational effects on cables and more.
- Mark Uncapher, Executive Director, FOSA  
240-685-1853;  
[Muncapher@fiberopticsensing.org](mailto:Muncapher@fiberopticsensing.org);  
<http://www.fiberopticsensing.org/>

## Resources:

### Case Studies:

- <https://www.fiberopticsensing.org/page/fosa-case-studies>

### Webinars:

- Asset Monitoring, Integrity & Optical Sensing Technologies in Energy Transmission -  
<https://www.fiberopticsensing.org/p/cm/ld/fid=734&tid=310&sid=3151>
- Fiber Optic Sensing in Power Transmission -  
<https://www.youtube.com/watch?v=zqG0GTIOxbU>
- Fiber Optic Sensing Solutions for Infrastructure Monitoring -  
<https://www.youtube.com/watch?v=wK9Gq00uRqY>