



Advancing Explosion Monitoring with Distributed Acoustic Sensing: LIGHTNING Insights from the NORFOX Fibre Array



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- Our poster is about developing DAS-specific array processing for explosion monitoring.
- We use the NORFOX fibre array in southern Norway, co-located with NORES
- We show beamforming of P, S, and acoustic waves from a construction blast.
 - Weighting improves S-wave performance by correcting directional sensitivity effects of DAS.
- We also show incoherent beamforming enables robust detection of complex signals like thunder.



