



2025

WISPAMERICA™

BROADBAND WITHOUT BOUNDARIES



Automation & AI for Fiber Network Optimization

Speakers:

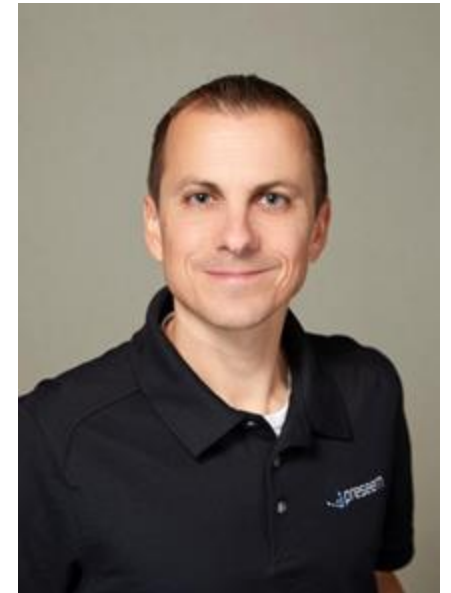
Cameron Kilton (Nextlink Internet)

Josh Johnson (Fibersmith)

Moderator: Scot Loach (Preseem)

Scot Loach

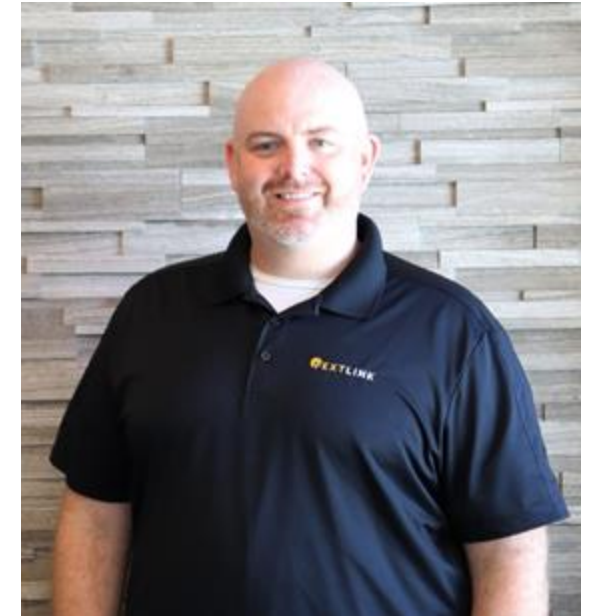
- CTO at Preseem
- 25 years in the network equipment industry
 - Worked on several networking products to help ISPs understand & manage their networks and analyze their network data
- 10 years in the WISP industry
- scot@preseem.com



Cameron Kilton

CTO at Nextlink

- Over two decades of experience in telecommunications, specializing in wireless broadband, cellular, AMI, and fiber-optic networks.
- Leadership in AI Innovation: At Nextlink is driving AI adoption, leveraging Large Language Models (LLMs) to enhance customer interactions, automate processes, and optimize network performance with the creation in Infara.AI
- Major Network Deployments: Cameron has overseen large-scale wireless and fiber deployments at local, state, and federal levels, improving connectivity across communities.
- Previous Roles & Impact: Before Nextlink, he led smart grid network deployments at Tilson Technology Management and expanded broadband coverage at Midcoast Internet.
- Commitment to Connectivity: A passionate advocate for bridging the digital divide, Cameron is dedicated to delivering innovative, high-speed internet solutions



Josh Johnson

Chief Information Officer (CIO) at Fibersmith

- **Experience:** 25 years in the telecommunications industry
- **Role:** Oversees Vision Software, Fibersmith's telecom platform
- **Key Focus Areas:**
 - Empowering ISPs to bridge the digital divide
 - Continuous innovation balanced with effective management of technical debt
 - Integrating ISP operational processes into Vision's geospatial workflow engine
- **Vision Software Approach:**
 - Provides a unified platform utilizing digital twin technology
 - Leverages strategic integrations for streamlined processes
 - Enables ISPs to scale efficiently without compromising service quality



Town Hall Discussion

- AI & Analytics for Network Optimization
 - predictive maintenance, automated fault detection
- Automated Provisioning, Service Activation, and Support
 - reducing errors, improving efficiency
- NOC Automation
 - reducing alert fatigue, prioritizing critical issues, automated incident response
- Challenges & Barriers to Adoption
 - cost, data integrity, skill gaps, security concerns



THANK YOU

