



11TH ANNUAL PEAK CYBER SYMPOSIUM

SPEAKER BIO



Ed Koehler

Distinguished Engineer – Office of the CTO
Extreme Networks

Ed Koehler has been in the communications and networking industry for 20+ years. Ten of those years he spent as a Senior Technology Architect for R&D within the CTO division of Nortel. His area specialties are, IPv6, Multicast, Digital Identity and Network Security as well as Voice and Video communications and Data Science. He has several patents in these areas. Ed joined with Extreme in August of 2010 as a Senior Data Solutions Architect specializing in Virtualized Data Centers and associated technologies including compute and storage. Currently, he is serving this role at the Global geography level. He was named Distinguished Engineer at Extreme in October of 2012. He is an IEEE member and was instrumental in the development of some of the core technology used in IEEE 802.1aq “Shortest Path Bridging”.

Accomplishments – Technical

- Several US patents
 - • Dynamic Hierarchical Address Resource Management Architecture - Patent # 8,369,329
 - End to end IP Security Framework (Integrated Distributed Firewalls) - Patent # 7,739,728
 - An architecture for Trusted Contextual Communications - Patent # 8,176,525
 - Address Concatenation for IPv6 Sensor Devices - Patent # 7,653,065
 - Policy Based Address Allocation for Secure Unique Local Networks - Patent # 7,764,677
 - Dynamic Network Identity and Policy Management Framework
- Core contributor to key multipoint concepts of Fabric Connect replication.
- Concept originator of the ‘nickname’ or Shortest Path Source ID
- Key contributor to current Fabric Connect multicast functions.
- Author of Virtual Service Network (VSN) nomenclature
- Author to the concept of ‘stealth’ network topologies within Fabric Connect
- Currently working in Security Service Chaining
- Author of Encryption Free Zone (EFZ) patent# 7,739,728 2nd embodiment

Accomplishments – Technical Support Sales

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SEPTEMBER 15 – 16, 2021 | DOUBLETREE BY HILTON | COLORADO SPRINGS, CO



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- Creator of Shortest Path Bridging (Fabric Connect) workshop
 - Replicated across the globe
- Creator of the Fabric Connect “Hackathon”
 - Key demonstration of Fabric Connect security traits
- Author of multiple blog strands
 - Used to communicate various technology threads that coincide with strategic direction
 - <https://www.edkoehler.wordpress.com>
- Author of a dedicated You tube Channel
 - Used to illustrate and instruct on proper concepts and practices
 - <https://www.youtube.com/channel/UCn8AhOZU3ZFQI-YWwUUWSJQ>

Accomplishments – Awards

- *VENA Launch Award FY2011*
- *Top Team Contributor for FY2011*
- *Voted Distinguished CSE FY2012*
- *Promoted to Director FY2012*
- *Top Strategic Win award FY2013*
- *Top Team Contributor – ACES Award FY2014*
- *Promoted to CTO office in FY2016*
- *Moved to Extreme Networks carrying distinguished title in FY2017*

Profile

- In Rochester NY
- Ed was a contributing engineer in the development of tandem replication for Shortest Path Bridging
- Patent author on several IPV6 and security related innovations
- IEEE/IETF and ITU-T member
- 2006 SME to ITU-T SG 13 and 17 (Digital Identity.)
- Creator of Stealth Networking concept
- Creator of Virtual Service Network terminology

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