



Photo courtesy of Rusti Lattin, Eagle Telephone System, Inc.

2022 Outside Plant Seminar

April 28 – 29

Best Western Plus Agate Beach Inn – Newport, Oregon

The OTA Outside Plant Committee has planned a program of interests currently relevant to the telecommunications outside plant industry. Please plan to join colleagues from across the Pacific Northwest for this excellent educational and networking opportunity.

Mark your calendar, reserve your hotel accommodations by March 27th, and register to attend!



Outside Plant Seminar

April 28 – 29, 2022

Best Western Agate Beach Inn – Newport, Oregon

Program Agenda

Wednesday – April 27

5:00 p.m. – 9:00 p.m.

6:00 p.m. – 7:00 p.m.

Vendor Exhibit Setup

OSP Committee pre-seminar committee meeting

Thursday – April 28

6:45 a.m.

Registration opens

7:00 a.m. – 8:00 a.m.

Buffet Breakfast

8:00 a.m. – 8:05 a.m.

Welcome and Announcements – Brian Richardson, OTA Outside Plant Committee Chair; Outside Plant Technician, **Pioneer Connect**

8:05 a.m. – 8:15 a.m.

Vendor Introductions

8:15 a.m. – 9:15 a.m.

“Wifi 6/6e.” – Glenn Taylor, Sr. Solutions Engineer & **Andrew Janz**, Cloud Specialist, **Calix**
Why does Wi-Fi change so often? The Wi-Fi 802.11 standard turns 24 this year and has gone through 8 iterations. Wi-Fi continues to evolve to support today's bandwidth hungry technology needs. Join the Wi-Fi revolution and provide your customer cutting edge Wi-Fi and applications to manage and enhance their experience!

9:15 a.m. – 9:35 a.m.

Refreshment Break / Visit Exhibits

9:35 a.m. – 9:40 a.m.

Door prizes

9:40 a.m. – 9:45 a.m.

Vendor Quick Topic

9:45 a.m. – 10:45 a.m.

“811 Updates.” – Jason Williams, NW Natural

Calling for locates and knowing what's in the ground is key to safely installing new plant. During this session we will discuss 811 updates and Oregon Dig Laws.

10:45 a.m. – 11:05 a.m.

Refreshment Break / Visit Exhibits

11:05 a.m. – 11:10 a.m.

Door prizes

11:10 a.m. – 11:15 a.m.

Vendor Quick Topic

11:15 a.m. – 12:15 p.m.

“Utility Locating and Survey grade GNSS mapping.” – Dale Berryman, Western Regional Manager, **Vivax/Metrotech Corporation**

The vLoc3-RTK is the first to add RTK GNSS accuracy to a utility locator. Using the RTK-Pro internal cellular module with 4G LTE capabilities, the operator has the ability to connect to NTRIP RTK (Real-Time Kinematic) caster that provides RTCM3 corrections. By utilizing these corrections, the operator can collect utility location data along with the geographical location of the utility with survey-grade accuracy.

12:15 p.m. – 12:30 p.m.

Presentation of the OSP Employee of the Year Award

12:30 p.m. – 1:30 p.m.

Buffet Lunch / Visit Exhibits

1:30 p.m. – 1:35 p.m.

Door prizes

1:35 p.m. – 1:40 p.m.

Vendor Quick Topic

| | |
|--------------------------|---|
| 1:40 p.m. – 2:40 p.m. | <p>“What can GIS do for your telecom organization?” – Eric Gakstatter, Discovery Management Group, LLC</p> <p>GIS is different than mapping. Yes, a GIS can produce incredible looking maps. However, maps (eg. CAD) only show a snapshot picture at a particular point in time. GIS is driven by powerful databases. The map is only the surface of GIS. The GIS database behind the map allows user to query the map in ways not possible with plain mapping (CAD). How can telecom organizations maximize the power of GIS and generate new efficiencies?</p> |
| 2:40 p.m. – 3:00 p.m. | Refreshment Break / Visit Exhibits |
| 3:00 p.m. – 3:05 p.m. | Door prizes |
| 3:05 p.m. – 3:10 p.m. | Vendor Quick Topic |
| 3:10 p.m. – 3:40 p.m. | <p>“Supply Chain Logistics.” – Paul Nolin, Regional Sales Manager, Calix</p> <p>Challenges in today's Supply Chain from raw materials to finished goods. We will discuss the implications of proper planning, forecasting, and setting lead time expectations in today's uncertain economic environment.</p> |
| 3:40 p.m. – 4:30 p.m. | <p>“Innovation for Better Broadband Quality.” – Trevor Back, Professional Services Specialist, Calix</p> <p>In this session we'll talk about innovative approaches that streamline and automate the control, management, and quality assurance for improving productivity on large scale network and premises deployment projects.</p> |
| 5:00 p.m. – 6:30 p.m. | Welcome Reception (followed by dinner on your own). |
| Friday – April 29 | |
| 7:00 a.m. – 8:00 a.m. | Buffet Breakfast |
| 8:00 a.m. – 8:05 a.m. | Welcome & Announcements – Brian Richardson, OTA OSP Committee Chair; Outside Plant Technician, Pioneer Connect |
| 8:05 a.m. – 9:35 a.m. | <p>“PON Technologies – Which is Right for You?” – Tom Pope & Glenn Taylor, Sr. Solutions Engineers, Calix</p> <p><u>Part 1</u> - 10GPON...really? - Do you really need 10G to each subscriber? What about 25G or 50G PON? In this session we will discuss the implications of each technology and some market drivers that service providers are using to make these decisions.</p> <p><u>Part 2</u> - Fiber Distribution Network Design - What is the optimal split ratio for a given PON network? What about Co-Existence? In the second half of this session, we will discuss the rate and reach of GPON and XGSPON and the impact of a split ratio on the design on the network.</p> |
| 9:35 a.m. – 9:55 a.m. | Refreshment Break / Hotel Check-out / Visit Exhibits |
| 9:55 a.m. – 10:00 a.m. | Door prizes |
| 10:00 a.m. – 11:30 a.m. | <p>“What Testing Looks Like for the Networks of the Future.” – Tammie Davis, Sales Engineer, S & S Solutions, LLC</p> <p>With the ever-increasing demand for bandwidth at businesses and homes, networks are going to have to adapt to meet that need. With those necessary upgrades comes the need to verify that your plant is up to the task and your network is working efficiently to take on more bandwidth. Tammie will guide you through Layers 1 thru 4 and what is most effective for your needs. Some of the topics which will be discussed are XGS PON, Dispersion Testing, WDM, and up to 400g testing.</p> |
| 11:30 a.m. | Final door prizes and adjournment. |



Outside Plant Seminar

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Best Western Plus Agate Beach Inn – 3019 N. Coast Hwy – Newport, OR 97365

Lodging and Registration Information

For hotel reservations, call 1-541-265-9411 ext. 2. Please indicate that you are with the **OTA Outside Plant Seminar group**. Please make your room reservations as soon as possible to ensure access to our group room block.

Reservations may also be made through the hotel web site using the link below. However, it is best to make your reservations by calling the hotel directly as the online system does not give you all of the options.

https://www.bestwestern.com/en_US/book/hotel-rooms.38154.html?groupId=Y82ZT7V9

The cut-off date for making hotel reservations is Sunday – March 27, 2022.

| Room Type | Rate Per Night |
|--|----------------|
| Non-View Room (single or double occupancy) | \$ 116.00** |
| Ocean View Room (single or double occupancy) | \$ 136.00** |
| <i>**Rates are net, non-commissionable and subject to 11% state & local lodging taxes. Each additional adult will be charged \$10.00 per room per night.</i> | |

Please Submit Your OTA Seminar Registration Form by Mail or Fax to the OTA Office by Friday – April 15, 2022.
You may also register on line at www.ota-telecom.org.

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|--|-----------|
| Member Registration; received by April 15 (includes Telephone Co. employees of other State Associations) | \$ 325.00 |
| Non-Member Registration; received by April 15 | \$ 475.00 |
| Guest Meals Registration; (only for add'l guest, over the first two attendees, representing an exhibiting company; or for a spouse of a registered attendee) | \$ 100.00 |
| Late Registration Fee; received after April 15 – please add | \$ 25.00 |
| Member Exhibit Fee per Table; (in addition to seminar registration fee) | \$ 100.00 |
| Non-Member Exhibit Fee per Table; (in addition to seminar registration fee) | \$ 250.00 |

Cancellations made after April 15, 2022 and “no-shows” will be charged and expected to pay the full registration fee.

Registration fee includes: Program, seminar materials, refreshment breaks, two buffet breakfasts, one buffet lunch, and the evening Welcome Reception.

Payment Information: You may pay with a credit card by registering for this event at www.ota-telecom.org. If you opt to pay by invoice, you can either send a check or all invoices may also be paid with a credit card on-line through our website or you may call the OTA office to process your payment by phone. Please note that we accept Master Card, VISA and Discover Card (we do not accept AMEX at this time).

If you require special arrangements in order to fully participate in the seminar, or have specific dietary requirements, please call the OTA office so we can discuss how to meet your needs.

Please remember to bring items for door prize drawing activities!



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Seminar, Exhibit and Sponsorship Registration Form

SEMINAR REGISTRATION:

| | |
|---|-----------|
| Member Registration for the first attendee (includes Telephone Company employees of other State Associations) Vendors: The first two people representing an exhibiting company must register for the seminar & each pay the full registration fee. Any additional person(s), after the first two registered attendees, representing the same company, pay only the guest meals fee of \$100.00 each. | \$ 325.00 |
| Non-Member Registration | \$ 475.00 |
| Guest Meals Registration; (only for add'l person over the first two registered attendees representing an exhibiting company) | \$ 100.00 |
| Late Registration Fee; received after April 15 – please add | \$ 25.00 |
| Member Exhibit Fee per Table; (in addition to seminar registration fee) | \$ 100.00 |
| Non-Member Exhibit Fee per Table; (in addition to seminar registration fee) | \$ 250.00 |

EXHIBIT REGISTRATION:

| | |
|--|--|
| Member Exhibit Fee: \$100.00 for first table; \$50.00 for each additional table | |
| Non-Member Exhibit Fee: \$250.00 for the first table; \$100.00 for each additional table | |
| Please indicate whether or not you will need power to your exhibit table | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| Check box if you wish to sign up for a 5-minute Vendor Quick Topic (4 segments available on first come, first serve basis) | <input type="checkbox"/> YES |

Shipping Instructions: To ship display materials or related equipment to the seminar site, please ship to arrive no earlier than two days prior to the event and arrange for items to be shipped out within two days after the event. You are responsible for the completion of all shipping labels. Any materials left over two days are subject to a \$25.00 fee per day for storage. Ship to: Best Western Plus Agate Beach Inn – 3019 N. Coast Hwy – Newport, OR 97365. Event: OTA Outside Plant Seminar – April 28 – 29, 2022.

SPONSORSHIP OPPORTUNITIES: Check the box for your selection and enter the dollar amount in the payment information box. Thank you!!

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|--|-----------|---|-----------|
| <input type="checkbox"/> Morning Break – coffee, tea, bottled water | \$ 325.00 | <input type="checkbox"/> Evening Reception (appetizers) | \$ 750.00 |
| <input type="checkbox"/> Afternoon Break – coffee, tea, bottle water, soft drinks, cookies | \$ 500.00 | <input type="checkbox"/> General Sponsorship | \$ 300.00 |

Payment Information: ☐ Payment Enclosed: Check # _____ ☐ Bill my Company: Your Purchaser Order # _____

You may pay with a credit card by registering for this event at www.ota-telecom.org or call the OTA office to process your payment by phone.

Attendee(s) Registration Fee(s): \$ _____

Exhibit Table Fee(s): \$ _____

Sponsorship Contribution: \$ _____

Total Registration Amount: \$ _____ Signature: _____

Company _____ **Address (City, State, Zip)** _____

Contact Person _____ **Phone** _____ **Email** _____

Attendees: Name _____ Email _____

Name _____ Email _____

Name _____ Email _____

Name _____ Email _____

PLEASE NOTE: Hotel policy requires guaranteed number of attendees one week prior to our event. We appreciate your understanding of this policy.

Cancellations made after April 15 & “no-shows” will be charged the full registration fee.

Register on line at: www.ota-telecom.org or Mail or Email to: OTA 1149 Court Street NE • Salem, OR 97301 • sallen@ota-telecom.org.

Completed registration form(s) must be received in the OTA Office by Friday – April 15, 2022.