



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

2020 Outside Plant Seminar

April 16 – 17, 2020

Best Western 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 15th, and register to attend!



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Program Agenda

Wednesday – April 15

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 16

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 – Eric Kehler, OTA Outside Plant Committee Chair; Director of Plant Operations, **Consolidated Business Services**

8:05 a.m. – 8:15 a.m.

Vendor Introductions

8:15 a.m. – 9:00 a.m.

“An Update on Wifi 6.” – Mark Sicner, Cambium Networks

A review of the benefits and how it can enhance managed Wifi.

9:00 a.m. – 9:20 a.m.

Refreshment Break / Visit Exhibits

9:20 a.m. – 9:25 a.m.

Door prizes

9:25 a.m. – 9:30 a.m.

Vendor Quick Topic

9:30 a.m. – 10:15 a.m.

“Life is About Choices.” – Alvin Emmett, Emmett Communications Consulting, LLC

In this audience participation presentation we will look at how ethics, both good and bad, affect all of our lives. We will explore how decisions, both small and large, have an impact on our future and how they direct the paths that we will travel. Those decisions not only affect our lives, but also the lives of those around us. We will review some real life cases of Ethics Violations, how they were discovered, the investigation process and the outcome. We will discuss some real life “What would you do” scenarios.

10:15 a.m. – 10:35 a.m.

Refreshment Break / Visit Exhibits

10:35 a.m. – 10:40 a.m.

Door prizes

10:40 a.m. – 10:45 a.m.

Vendor Quick Topic

10:45 a.m. – 11:30 a.m.

“Getting the Most out of Your Existing Copper Network.” – Eric Williams, NW Territory Sales Manager, S & S Solutions, LLC

Testing and troubleshooting copper pairs for advanced DSL technologies.

11:30 a.m. – 11:45 a.m.

Presentation of the OSP Employee of the Year Award

11:45 a.m. – 12:45 p.m.

Buffet Lunch / Visit Exhibits

12:45 p.m. – 12:50 p.m.

Door prizes

12:50 p.m. – 12:55 p.m.

Vendor Quick Topic

12:55 p.m. – 1:40 p.m.

“OTDR Update and Fiber Characterization.” – Larry Johnson, Fiber Story LLC

The optical Time Domain Reflectometer (OTDR) has proven to be the solution for providing acceptance testing, maintenance and troubleshooting optical fibers in the outside plant. This session will provide and update on what tests should be used in maintenance programs. As speeds increase in fiber optic networks and the implementation of dense wavelength division multiplexing (DWDM) continues more stringent requirements are required including optical return loss (ORL), longer wavelength 1650 nm testing, and options for measuring chromatic and polarization mode dispersion to address speeds of 10 Gb/s and higher.

1:40 p.m. – 2:00 p.m.

Refreshment Break / Visit Exhibits

2:00 p.m. – 2:05 p.m.

Door prizes

2:05 p.m. – 2:10 p.m.

Vendor Quick Topic

2:10 p.m. – 2:55 p.m.	<p>“G.fast Technology.” – Jeff Woodman, Viavi Solutions, Inc. In this session we will look at the definition of G.fast, examples of how other telco’s are building their infrastructure to provide this service, components of some existing G.fast builds, providing super high-speed internet and video services to an existing customer base without bringing new fiber all the way to the customer premise and real world examples of what works and what doesn’t.</p>
2:55 p.m. – 3:15 p.m.	Refreshment Break / Visit Exhibits
3:15 p.m. – 3:20 p.m.	Door prizes
3:20 p.m. – 4:05 p.m.	<p>“Is GPON Good Enough?” – Tom Pope, Senior Solutions Engineer, Calix Business Class Internet. By now, you probably have an idea of what that means to you. It could be highly available, or maybe high bandwidth and low latency. It could be dedicated access. Whatever you think of, chances are you’re thinking of a premium product with dedicated connectivity of some kind. Technologies like Stadia from Google and the proliferation of IoT devices are blurring the lines between a business customer and a residential customer, and increasing the need for high bandwidth services. In this session, we will discuss the ways that providers build networks to reach subscribers that have increasingly high demand while ensuring availability for the high revenue business services.</p>
4:05 p.m. – 4:25 p.m.	Refreshment Break / Visit Exhibits
4:25 p.m. – 4:30 p.m.	Door prizes
5:00 p.m. – 6:00 p.m.	Welcome Reception (followed by dinner on your own).
<u>Friday – April 17</u>	
7:00 a.m. – 8:00 a.m.	Buffet Breakfast
8:00 a.m. – 8:05 a.m.	Welcome & Announcements – Eric Kehler , OTA OSP Committee Chair; Director of Plant Operations, CBS
8:05 a.m. – 8:35 a.m.	<p>“Legislative and Regulatory Issues Update.” – Brant Wolf, Executive VP, OTA There are two proceedings at the OPUC regarding COLR and the Oregon USF as well as a short Legislative Session. Brant will provide an update on these and other relevant issues in his normal, understated manner.</p>
8:35 a.m. – 8:55 a.m.	Refreshment Break / Hotel Check-out / Visit Exhibits
8:55 a.m. – 9:00 a.m.	Door prizes
9:00 a.m. – 9:45 a.m.	<p>“Fiber Optic / Laser Safety.” – Larry Johnson, Fiber Story LLC This session will focus on laser and fiber handling safety practices. Most fiber optic systems are low powered using class 1 lasers however, class 2 are commonly used in troubleshooting and class 3 & 4 are being implemented in many DWDM systems. I will review applicable standards and recommendations. The second portion will address safe fiber handling and disposal including personal experiences.</p>
9:45 a.m. – 10:05 a.m.	Refreshment Break / Visit Exhibits
10:05 a.m. – 10:10 a.m.	Door prizes
10:10 a.m. – 11:00 a.m.	<p>“Wildfire Threat and other Issues.” – Oregon Department of Forestry, PGE & OPUC The threat that wildfires pose to utility infrastructure seems to grow with each passing year. Large wildfires can cause lengthy outages and in some cases liability issues have arisen. Public policy makers are taking an active look at these issues which might result in new rules and laws. Representatives from the Oregon Department of Forestry, PGE and the Oregon Public Utility Commission will discuss these issues in a panel presentation and answer any questions you might have.</p>
11:00 a.m. – 11:15 a.m.	Refreshment Break / Visit Exhibits
11:15 a.m. – 11:20 a.m.	Door prizes
11:20 a.m. – 12:30 p.m.	<p>“It’s so easy to be bad!” – Brian Robison, Chief Evangelist, Blackberry Cylance Brian will give us a firsthand look at how cybercrime is conducted today, how to combat the most damaging attack strategies, and how to even prevent threat that have never been seen before. Take a journey with us as we explore the enemy, revealing tactics and tricks, so you don’t become the next cybercrime victim.</p>
12:30 p.m.	Final door prizes and adjournment.



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

Lodging and Registration Information

For hotel reservations, call 1-541-265-9411. 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.

The cut-off date for making reservations is Sunday – March 15, 2020.

Room Type	Rate Per Night
Non-View Room (single or double occupancy)	\$ 109.00**
Ocean View Room (single or double occupancy)	\$ 129.00**
<i>**Rates are net, non-commissionable and subject to a 11.3% occupancy tax. 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 Tuesday – April 7, 2020.

You may also register on line at www.ota-telecom.org.

Member Registration; received by April 7 (includes Telephone Co. employees of other State Associations)	\$ 325.00
Non-Member Registration; received by April 7	\$ 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 7 – 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 7, 2020 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 Registration Form

Completed registration form(s) must be received in the OTA Office by 5:00 p.m. Tuesday – April 7, 2020

Member Registration; received by April 7 (includes Telephone Co. employees of other State Associations)	\$ 325.00
Non-Member Registration; received by April 7	\$ 475.00
Guest Meals Registration; (only for additional 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 7 – please add	\$ 25.00
Member Exhibit Fee per Table; (in addition to full seminar registration fee)	\$ 100.00
Non-Member Exhibit Fee per Table; (in addition to full seminar registration fee)	\$ 250.00

PLEASE NOTE: Hotel policy requires guaranteed number of attendees one week prior to our event. We appreciate your understanding of this. **Cancellations made after April 7 & “no-shows” will be charged the full registration fee.**

Exhibitor and Sponsorship details are on a separate form. Please register early --- space is limited!

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: _____

Contact Person: _____ **Email:** _____

Company Name: _____ **Telephone #:** _____

Address: Street, City, State, Zip: _____

Attendees: Name: _____ Email: _____

Name: _____ Email: _____

Name: _____ Email: _____

Name: _____ Email: _____

Name: _____ Email: _____

Mail or FAX to: OTA – 777 13th Street, SE – Suite 120 – Salem, OR 97301 • **PHONE:** 503-581-7430 • **FAX:** 503-581-7457

Register on-line at: www.ota-telecom.org



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Exhibit and Sponsor Registration Form

PLEASE NOTE: Hotel policies require guaranteed number of attendees one week prior to our events. We appreciate your understanding of this. **Cancellations made after Tuesday – April 7, 2019 will not be refunded.**

Please complete both the seminar registration form and this exhibit/sponsor form when registering. **The first two persons representing an exhibiting company must also register for the seminar and pay the full individual registration fee. Each additional person representing the company is required to pay only a guest meals fee of \$100.00.** Payment options are listed on the seminar registration form. Six-foot skirted tables are available for your exhibit. We will not be using pipe and drape.

This year we are again offering "Vendor Quick Topics" on our program agenda. We are extending the opportunity to our exhibiting vendors to get up in front of the attendees and give a brief 5-minute presentation (no slides please) on a new product, service or item you would like to introduce or make known with the intent of drawing more visits to the exhibit booths. We will have a total of four sessions available on a first-come, first served basis. These short segments will be slotted at the beginning of each scheduled speaker presentation. To get your name on the roster to present one of our "Vendor Quick Topics," please contact Susan at 503-581-7430 or by e-mail at sallen@ota-telecom.org. Don't miss out --- SIGN UP TODAY!!!

Company Name: _____

Contact Person: _____

Address: Street, City, State, Zip: _____

Telephone #: _____ FAX #: _____

Email: _____ Please reserve _____ exhibit table(s) for my company.

Please indicate whether or not you will need power to your exhibit table: Yes _____ No _____

Exhibit Fee: OTA Member \$100.00 for the first table; \$50.00 for each additional table
Non-Member \$250.00 for the first table; \$100.00 for each additional table.

Shipping Instructions: If you will be shipping 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. Any materials left over two days will be assessed a fee of \$25.00 per day for storage.

Ship to: Best Western Agate Beach Inn
3019 North Coast Highway
Newport, OR 97365
EVENT: OTA Outside Plant Seminar: April 16 – 17, 2020

Sponsorship Opportunities: If interested, please select the event(s) that you would like to sponsor or co-sponsor by checking the corresponding box. If you wish to co-sponsor for less than the full donation amount, please specify the level of contribution you wish to make and enter that dollar amount below and in the payment box on the seminar registration form. Sponsors will be acknowledged in the printed seminar program, announced from the podium, with on-site signage and in the following issue of OTA's quarterly eNewsletter. Thank you for your generous support!

- ☐ Morning refreshment break (coffee, tea, bottled water) = \$325.00
- ☐ Afternoon refreshment break (coffee, tea, bottled water, soft drinks, cookies, brownies...) = \$500.00
- ☐ Evening reception = \$750.00 (or a portion thereof)
- ☐ General sponsorship = \$300.00

Amount of sponsorship contribution: \$ _____ (include amount in payment box on seminar registration form).

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Register on-line at: www.ota-telecom.org