



Photo courtesy of Stayton Cooperative Telephone Company

2018 Outside Plant Seminar

April 26 – 27, 2018

Best Western Agate Beach Inn – Newport, Oregon

The OTA Outside Plant Committee has planned a program of current topics and issues relevant to the telecommunications outside plant arena. 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 25th, and register to attend!



Outside Plant Seminar

April 26 – 27, 2018

Best Western Agate Beach Inn – Newport, Oregon

Program Agenda

Wednesday – April 25

- 5:00 p.m. – 9:00 p.m. Vendor Exhibit Set-up
- 6:00 p.m. – 7:00 p.m. Pre-seminar OSP Committee Meeting

Thursday – April 26

- 6:45 a.m. – 8:00 a.m. **Registration**
- 7:00 a.m. – 8:00 a.m. **Buffet Breakfast**
- 8:00 a.m. – 8:15 a.m. **Welcome and Announcements – Roger Budlong, Outside Plant Committee Chair, Stayton Cooperative Telephone Company.**
- 8:15 a.m. – 9:45 a.m. **“The Testing of Copper Facilities for XDSL Services.” – Chris Robertson, Three Wolves Consulting.**
This session will detail the electrical tests that should be performed during the installation and maintenance of DSL services. This will include material covering Bonding, Vectoring and G.INP.
- 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. – 10:15 a.m. **Vendor Quick Topic**
- 10:15 a.m. – 11:15 a.m. **“VDSL 2 Vectoring.” – Chris Robertson, Three Wolves Consulting.**
In this presentation, Chris will detail what Vectoring is, how vectoring operates, the effectiveness of Vectoring and binder group loading limitations. If time permits, we can discuss Seamless Rate Adaptation and Vectoring.
- 11:15 a.m. – 11:25 a.m. **Refreshment Break / Visit Exhibits**
- 11:25 a.m. – 11:30 a.m. **Door Prizes**
- 11:30 a.m. – 11:35 a.m. **Vendor Quick Topic**
- 11:35 a.m. – 12:15 p.m. **“Legislative and Regulatory Update.” – Brant Wolf, EVP, Oregon Telecommunications Association.**
The 2018 short legislative session was unusually active for the OTA. Legislation related to Net Neutrality, a state owned and operated fiber network and tax credits for gigabit projects all were very active. In addition, there are serious moves by two counties to build out and offer telecommunications services in Oregon. All this and more will be discussed during this presentation.
- 12:15 p.m. – 1:15 p.m. **Buffet Lunch / OSP Employee of the Year Award Presentation / Visit Exhibits**
- 1:15 p.m. – 1:20 p.m. **Door Prizes**
- 1:20 p.m. – 1:25 p.m. **Vendor Quick Topic**
- 1:25 p.m. – 2:25 p.m. **“Going Through Change without Losing Your Mind.” – Brett Hollis, Speaker, Story Teller & Comedian.**
Change is inevitable. Whether we bring it on ourselves or something happens out of our control, we all have to face change. This session will cover how to persevere through changes and times of uncertainty and even enjoy each season as it comes.
- 2:25 p.m. – 2:45 p.m. **Refreshment Break / Visit Exhibits**
- 2:45 p.m. – 2:50 p.m. **Door Prizes**
- 2:50 p.m. – 2:55 p.m. **Vendor Quick Topic**

2:55 p.m. – 3:55 p.m.	<p>“NESC – Past, Present & Future.” – Mark Rettmann, Senior Utility Analyst, Oregon Public Utility Commission. Who is the OPUC Safety Staff, why are they looking at my plant and sending me letters? In this presentation Mark will show the practical application of the National Electrical Safety Code and explain the function of the OPUC Safety Staff.</p>
3:55 p.m. – 4:15 p.m. 4:15 p.m. – 4:20 p.m. 4:20 p.m. – 4:25 p.m.	<p>Refreshment Break / Visit Exhibits Door prizes Vendor Quick Topic</p>
4:25 p.m. – 5:25 p.m.	<p>“FCC Report and Order Regarding 24 Hours of Battery Backup.” – Paul Hannasch, PowerTec Solutions International. The FCC has adopted backup power requirements for facilities-based carriers which provide fixed residential voice service that is not line powered (Covered Providers). Current requirement is to offer to provide eight hours of CPE backup. These requirements will soon require providers to offer 24 hours of backup to customers. The FCC’s Report and Order became effective on October 16, 2016. In February of 2019 and moving forward, all covered providers must offer to provide 24 hours of CPE backup to customers. With this coming requirement and the Internet of Things revolution adding even more demand on network infrastructure, it is necessary for carriers to improve best practices around network health and backup power. This discussion will cover current operating strategies and new technologies being implemented to handle these increasing network demands and FCC requirements.</p>
5:45 p.m. – 6:45 p.m.	<p>Welcome Reception (hosted reception followed by dinner on your own).</p>
<p><u>Friday – April 27</u></p>	
7:00 a.m – 8:00 a.m.	<p>Buffet Breakfast</p>
8:00 a.m. – 8:05 a.m.	<p>Welcome and Announcements</p>
8:05 a.m. – 9:05 a.m.	<p>“Public WiFi Deployment Planning: Hospitality, Events, Campuses and More.” – Dave Moore, Senior Director, WiFi Business Acceleration – Cambium Networks. As WiFi demands grow with our customers, so do the opportunities to provide reliable, robust WiFi service to larger public and private venues like parks, schools, downtown districts, businesses and hospitality centers. Dave will discuss best practices, challenges and tips to address these WiFi opportunities to provide quality service to the existing community but also grow revenue with businesses and public venues.</p>
9:05 a.m. – 9:25 a.m. 9:25 a.m. – 9:30 a.m.	<p>Refreshment Break / Hotel Check-out / Visit Exhibits Door Prizes</p>
9:30 a.m. – 10:30 a.m.	<p>“General Road Side Safety.” – Tanner Betteridge, Director of Safety – North Sky Communications. Contracting out your construction work and traffic control does not mean you’re not involved. This presentation will consist of codes, standards and best practices for General Road Side Safety during construction. It also will consist of Standard Road side sign set up for the state of Oregon and other safety considerations.</p>
10:30 a.m. – 10:50 a.m. 10:50 a.m. – 10:55 a.m.	<p>Refreshment Break / Visit Exhibits Door Prizes</p>
10:55 a.m. – 11:55 a.m.	<p>“Modern Techniques for Troubleshooting Fiber Characterization.” – Buck Spears, S&S Solutions. In this session Buck will review current techniques for isolating problems in 10, 100 & 400 Gig Applications.</p>
12:00 p.m.	<p>Final door prizes and adjournment</p>



Outside Plant Seminar

April 26 – 27, 2018

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

Lodging and Registration Information

For hotel reservations, call 1-800-547-3310. 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 25, 2018.

Room Type	Rate Per Night
Non-View Room (single or double occupancy)	\$ 99.00**
Ocean View Room (single or double occupancy)	\$119.00**
<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 17, 2018.

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

Member Registration; received by April 17 (includes Telephone Co. employees of other State Associations)	\$ 325.00
Non-Member Registration; received by April 17	\$ 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 17 – 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 17, 2018 and “no-shows” will be charged 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!



Outside Plant Seminar

April 26 – 27, 2018 – Best Western Agate Beach Inn
 3019 N. Coast Highway – Newport, OR 97365

Seminar Registration Form

Completed registration form(s) must be received in the OTA Office by 5:00 p.m. Tuesday – April 17, 2018

Member Registration; received by April 17 (includes Telephone Co. employees of other State Associations)	\$ 325.00
Non-Member Registration; received by April 17	\$ 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 17 – 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 17 & “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:	
<input type="checkbox"/> Payment Enclosed: Check # _____	<input type="checkbox"/> 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: _____



Outside Plant Seminar

April 26 – 27, 2018 – Best Western Agate Beach Inn
3019 N. Coast Highway – Newport, OR 97365

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 17, 2018 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 five 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 26 – 27, 2018

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).

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