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TREX is pleased to host a seminar on ISP Tools and Wavelength Division Multiplexing together with sponsors **Adva Optical Networking**[1] **Alcatel-Lucent**[2], **Netnordic**[3], **Nixu Software**[4] and **Rittal**[5]. The seminar will be held on Wednesday the 30th of October 2013 at **Technopolis Yliopistonrinne**[6] in downtown Tampere from 12:00 to 18:00 and continue as a networking event in their sauna department. The seminar will be of value to anyone interested in developing ISP services or networks, and of course to everyone interested in peering at **TREX**[7].

ISPs need a lot of very specialized business automation tools. Some of these tools are released to open source, some are products of other companies and some are just in house scripts. This seminar will have thought provoking presentations on this topic.

Wavelength Division Multiplexing is becoming more affordable and use cases for Coarse and Dense WDM are becoming more prevalent. Some new technologies such as 100Gbps Ethernet positively rely on WDM in order to work. We have invited industry experts to shed light on what's going on in the world of photonics.

Seminar Program

Please note that all times are given in the local time zone (EET+2).

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[1] http://www.advaoptical.com/
[2] http://www.alcatel-lucent.com/
[3] http://www.netnordic.com/
[4] http://www.nixusoftware.com/
[5] http://www.rittal.fi/
[6] http://www.technopolis.fi/en/technopolis/Tampere/yliopistonrinne/Pages/default.aspx
[7] http://www.trex.fi/

Time	Activity
11:30	Reception Coffee
12:00	Opening Statements
	Kaj J. Niemi, **BaseN Corp**
12:10	**WDM Systems and Applications**
	Dr. Michael Ritter, **Adva Optical Networks**
12:35	**Convergence Between Traditional and SDN-based Networks**
	Juha Holkkola, **Nixu Software Oy Ltd**
13:00	**An Introduction to Hurricane Electric BGP tools**
	Martin Levy, **Hurricane Electric**
13:20	Coffee Break
13:40	**Walled Garden Framework for Abuse/IDS Incidents**
	Jouko Maksimainen, **SuomiCom**
13:55	**Data and measurement tools from the RIPE NCC**
	Robert Kisteleki, **RIPE NCC**
14:25	**Voice Peering Shake-Up**
	Mikko Lehto, **Setera**
14:40	Coffee Break
15:00	**Connecting the Dots: Integrating RADIUS to Network Measurement and Monitoring**
	Karri Huhtanen, **Arch Red Oy / Open System Consultants Pty Ltd**
15:25	**IP/Optical Integration and Optical Management**
	Sami Kinnunen, **Alcatel-Lucent**
15:50	**The Cloud and its Effects on Web Development**
	Jukka Tupamäki, **Relevantum Oy**
16:15	Coffee Break
16:30	Tampere Peering Forum
16:35	**Netnordic**
	Timo Mannonen, **Netnordic**
16:40	**LINX UK Local Exchanges**
	Fearghas McKay
16:50	**EKANET**
	Erkki Mäkelä, Vaske
17:00	Seminar Program Ends
17:20	Dinner for Those Who Registered for It.
18:20	Move Upstairs to the Sauna Department.
18:30	Form small groups and discuss potential cooperation.
18:45	Periodically rotate groups and mingle.
19:00	Don't forget to go into the sauna too.
02:00	Probably time to start leaving.

⚓ Parking and Flights

There is some limited parking at Technopolis Yliopistonrinne. The nearest big parking facility is Tullintori.

One World and Star Alliance have direct flights from Stockholm (ARN) or Copenhagen (CPH) to the Tampere-Pirkkala International Airport (TMP). At least Air Baltic and Ryanair also have some direct international flights from other countries at cheaper prices.

Flying via Helsinki-Vantaa International Airport (HEL) to TMP is also possible with e.g. One World or Star Alliance, but it might be easier to just take the train for that leg of the journey. The trains run every day at least once per hour between 06:00 and 22:00. Bus number 61 takes you from HEL to the Tikkurila railway station. By coincidence, bus number 61 takes you from TMP to Tampere city centre.

⊰ **Accommodation**

There are several reputable hotels belonging to different chains within 500 meters of the venue. Holiday Inn Tampere, Scandic Tampere Station and Sokos Hotel Villa Tampere are probably the closest hotels to the venue. **Other comfortable choices**[8] include Cumulus, Scandic and Sokos Hotels.

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[8] https://maps.google.com/maps?q=hotel+near+Tampere,+Finland