



Hot Topics of IPTV

Workshop for designing and optimizing IPTV networks

■ **Transporting TV content over IP**

technologies is becoming common place in most consumer markets in Europe, the Middle East, North America and Asia. The technology, commonly referred to as IPTV, is complex and involves an array of components, protocols and standards.

■ **EANTC's IPTV workshop** provides a well rounded view into IPTV as a service, its concepts, all end-to-end aspects and its risks. We explore the reasons for its popularity but also the challenges for planning and designing an optimal IPTV typology. This workshop is aimed at designers and planners who already have basic knowledge of IPTV and a solid understanding of IP Multi-cast, MPLS and PSN.

■ **Benefit from EANTC's experience**

You will enjoy the knowledge gained by EANTC's experience in testing various industry leaders' IPTV solutions, major networks and other hardware manufacturers. We will share our expertise in discussing your particular issues and decisions you may be facing at the moment. Prevalent questions and possible solutions will be considered.

■ **Aim of the course**

You will gain valuable knowledge of how to plan an IPTV system that simultaneously fulfills the requirements of scalability, resiliency and Quality of Experience. You will also learn how you better manage your OAM in order to optimize the operation and troubleshooting of your infrastructure.

Workshop contents

- Introduction – The definition of IPTV
 Overview of the involved components
 The challenge of IPTV
 Related protocols and technologies
- IPTV and Multicast – Introduction
 Multicast protocols (PIM, IGMP, MVPNs)
 Data distribution,
 Routing
 Multicast in MPLS networks
- IPTV Infrastructure – Designing networks to support IPTV
 Quality of Experience in IPTV solutions
 Resiliency
 Case studies
- IPTV Security – The unique position of IPTV in carrier's network
 Common IPTV security practices

Dates

Please check <http://www.eantc.com/seminars/> for an up-to-date overview of seminar dates.

Price per person

EUR 950 + 19% VAT
The participation fee includes seminar material, lunch and light refreshments

The 1-day seminar is restricted to 10 participants and will take place in the EANTC seminar center in Berlin. Seminar material is provided in English. Seminars are held in German or English.

Any questions?

Our seminars are all available as cost effective on-site presentations. We will work with you to precisely provide the training you need at the time and place you want. Please feel free to contact us!

- IPTV**
Internet Protocol Television
- PSN**
Packet Switched Networks
- MPLS**
Multiprotocol Label Switching
- IGMP**
Internet Group Membership Protocol
- MVPN**
Multicast Virtual Private Networks
- PIM**
Protocol Independant Multicast
- OAM**
Operation, Administration, Maintenance

Registration

I would like to register the following person(s):

Company: _____

Address: _____

ZIP/City/Country: _____

Phone: _____

Fax: _____

E-mail: _____

Seminar: **IPTV Workshop** _____

Date: _____

Participant 1: _____

Participant 2: _____

Participant 3: _____

Participant 4: _____



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Full payment must be received before the start of the seminar. Cancellations received less than two weeks prior to the seminar will be billed with 50% of the fee. All cancellations must be received in writing. Transfer to an alternative seminar date may be possible on availability.

Date Signature