

MASTER CLASS

PREPARING YOUR MOVE TO LIVE-IP TV PRODUCTION

EBU, GENEVA

28 & 29 JUNE 2018

Join the conversation @EBU_Academy

FACULTY MEMBERS

Pedro Ferreira, Software Developer, Trainer and Consultant

Willem Vermost, Project Manager, EBU Technology & Innovation

Ievgen Kostiukevych, Project Manager, Media Production over IP Networks, EBU Technology & Innovation

PROGRAMME

Day 1 – 28 June

- 13:00 – 13:20 **Goals & tour de table**
- Introduction
 - Goals of the Master Class
- 13:20 – 13:50 **EXERCISE: THE PITCH**
- Team building exercise
Is Live-IP really flexible, scalable and sharable?
- Why Live-IP? How?
 - Opportunities and challenges: the pros and cons from the business and cost vs profit angle, including people, change and training
 - What do I need to know to better work with my colleague?
- 13:50 – 14:30 **MODULE 1: INTRODUCTION**
- Pedro Ferreira
The "full map"
Where we are today in terms of products and technology
- 14:30 – 15:15 **MODULE 2: CONCEPTUAL MODEL – LIVE-IP TV PRODUCTION
REFERENCE ARCHITECTURE**
- Pedro Ferreira
- 15:15 – 15:45 *Coffee break*
- 15:45 – 16:45 **MODULE 3: NETWORKS (ADVANCED)**
- Willem Vermost
Differences between IP and traditional broadcasting

16:45 – 17:30	MODULE 4: PTP – THE PRECISION TIME PROTOCOL Guest speaker: Thomas Kernan, Mellanox Technologies
17:30 – 18:00	MODULE 5: MEDIA TRANSPORT OVER IP NETWORKS Pedro Ferreira
18:00 – 18:10	Recap of day 1 and burning questions
18:10	<i>End of day 1</i>

Day 2 – 29 June

09:00 – 09:10	Review of day 1 and objectives for day 2
09:10 – 10:00	MODULE 6: AN OVERVIEW OF SMPTE 2110 Pedro Ferreira
10:00 – 11:00	MODULE 7: AUDIO OVER IP FOR TV PRODUCTION Ievgen Kostiukevych Technical review
11:00 – 11:20	<i>Coffee break</i>
11:20 – 11:50	MODULE 8: IT IS NOT ONLY MEDIA Pedro Ferreira An overview of the control plane
11:50 – 12:30	MODULE 9: WHAT ABOUT SECURITY? Willem Vermost
12:30 – 13:30	<i>Lunch</i>
13:30 – 14:00	MODULE 10: SYSTEM DESIGN Pedro Ferreira A discussion on the major challenges and opportunities
14:00 – 15:00	MODULE 11: HOW TO MANAGE THE TRANSITION TO LIVE IP PRODUCTION <ul style="list-style-type: none">- Cultural, organizational, training aspects of the transition- An open discussion between participants
15:00 – 15:30	Wrap-up and evaluation
15:30	<i>End of Master Class</i>