

**JULY 2013 IEEE 802 PLENARY SESSION  
TUTORIAL SCHEDULE**

ALL SECTIONS OCCUR MONDAY JULY 15, 2013

Please check the current schedule (<http://802world.org/attendee>) for room information.

**SECTION #1**                      **6:00 to 7:30 PM**

**TITLE OF TUTORIAL:**    White Rabbit - Ethernet-based solution for sub-ns synchronization and deterministic, reliable data delivery

**NAME OF PRESENTERS, THEIR AFFILIATIONS AND CONTACT INFO:**

Presenter(s) Name:	Affiliation:	Email Address:
Maciej Lipinski	CERN / Warsaw University of Technology	<a href="mailto:maciej.lipinski@cern.ch">maciej.lipinski@cern.ch</a>

**ABSTRACT: (a brief paragraph describing content of the presentation)**

White Rabbit is a project that aims to create an Ethernet-based network with low-latency, highly reliable, deterministic data delivery and network-wide, transparent, high-accuracy timing distribution. The White Rabbit Network is based on existing standards (IEEE 802.1, 802.3, IEEE 1588) and enables sub-nanosecond synchronization of thousands of devices spanning over several kilometers. Conceived as a next-generation control and timing system for Particle Accelerators such as those at CERN, it is rapidly finding new scientific and commercial applications. Its components, developed as open hardware and software designs, are being commercialized and becoming available off-the-shelf. An ongoing effort attempts to include a White Rabbit extension to IEEE1588 into the standard.

This tutorial provides insight into time and data distribution in the White Rabbit Network and explains its application as a control and timing system for CERN's accelerators. Information about the project can be found at:

[www.ohwr.org/projects/white-rabbit](http://www.ohwr.org/projects/white-rabbit).

**SECTION #2**                      **7:30 to 9:00 PM**

**TITLE OF TUTORIAL:**    Interspersing Express Traffic on IEEE 802.3 Networks

**NAME OF PRESENTERS, THEIR AFFILIATIONS AND CONTACT INFO:**

Presenter(s) Name:	Affiliation:	Email Address:
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**ABSTRACT: (a brief paragraph describing content of the presentation)**

There is a need for support of time sensitive traffic in a converged traffic environment in IEEE 802.3 networks. This would help address the requirements in markets such as industrial and automotive control networking, where control data is time-sensitive and often requires minimum latency. This tutorial will examine the needs of time sensitive traffic in IEEE 802.3 networks, the support for interspersed express traffic besides the traditional best effort traffic, and will provide background for the PAR proposed by the IEEE 802.3 Distinguished Minimum Latency Traffic (DMLT) Study Group.

**SECTION #3**

**9:00 to 10:30 PM**

**TITLE OF TUTORIAL:**

**NAME OF PRESENTERS, THEIR AFFILIATIONS AND CONTACT INFO:**

<b>Presenter(s) Name:</b>	<b>Affiliation:</b>	<b>Email Address:</b>

**ABSTRACT:** (a brief paragraph describing content of the presentation)