TUTORIAL SESSIONS – MONDAY JULY 10, 2017

SESSION 1	6:00 PM – 7:20 PM

TITLE OF TUTORIAL: Practical PoE

NAME OF PRESENTERS, THEIR AFFLIATIONS AND CONTACT INFO:

Presenter Name	Affiliation	Email Address
Christopher DiMinico	**Panduit**	**cdiminico@ieee.org**
Chad Jones	**Cisco**	**cmjones@cisco.com**

ABSTRACT:

The success of Base-T technology and PoE is largely due to the cost-effectiveness and plug-and-play simplicity of deploying over copper structured cabling. Recent revisions to the National Electric Code will effectively impose compliance requirements on IEEE PoE that will impact deployment of potentially billions of power managed ports by 2020.

The tutorial will offer an in depth analysis of the thermal and electrical characteristics of PoE deployment in a variety of high density bundled cabling configurations including wireless access points and digital lighting in comparison to laboratory results that were used as the basis for the NEC code revisions.

SESSION 2	7:30 PM – 8:50 PM

TITLE OF TUTORIAL: An Overview on High-Speed Optical Wireless/Light Communications

NAME OF PRESENTERS, THEIR AFFLIATIONS AND CONTACT INFO:

Presenter Name	Affiliation	Email Address
Nikola Serafimovski	**pureLiFi**	**nikola.serafimovski@purelifi.com**
Volker Jungnickel	**Fraunhofer HHI**	**volker.jungnickel@hhi.fraunhofer.de**
John Li Qiang	**Huawei**	**john.liqiang@HISILICON.COM**

ABSTRACT:

The presentation provides an overview of current and past activities in 802.11 to understand the broad picture of what 802.11 does. It provides more detail in two areas: high efficiency and reduced power consumption. It also describes a new pre-project activity called "Light Communication".

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