

## **Introduction of PIF Standard Promotion Committee**

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### **Mission:**

**Support for international standardization activities on Photonic Network**

- **Systematic visualization of standardization documents and trends in standardization organizations related to photonic network**
- **Latest information exchange through Workshops on standardization trends and road map**
- **Promotion of standard activities in academic societies**
- **Collaboration with international standardization organizations**

# Systematic visualization of information in SDOs

Latest trends, documents of the related standardization organizations(SDOs) are systematically shown in "PIF standardization portal site".

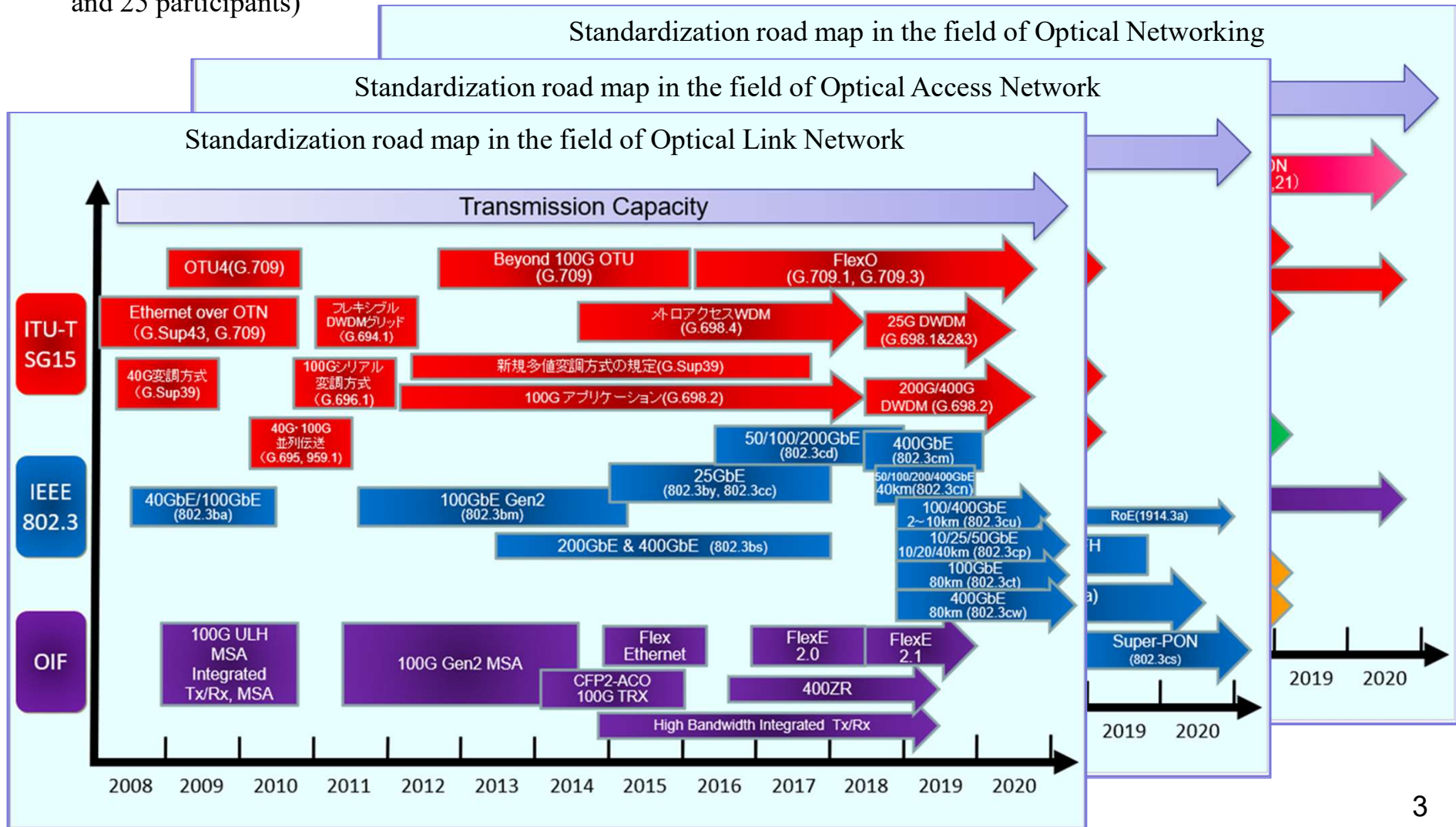
Field	Relevant keyword	Number of contents
Optical link	OTN, 400G, 400GbE and more...	35 contents
Optical access	NG-PON2, Front/Back-haul for 5G Radio Access, RoF and more...	22 contents
Optical networking	Transport SDN, SDN/OpenFlow, NFV and more...	41 contents

項目	キーワード	タイトル	開催日	発表者
光リンク	光トランシーバ	OIF/IEEE802.3の光トランシーバ審議状況 <b>New!</b>	2020/2/21	磯野 秀樹 (富士通オプティカルコンポーネンツ)
	100G超	超高速光伝送技術の国際標準化動向 <b>New!</b>	2019/9/11	森原 昭一郎 (NTT)
	400GbE	短距離光通信の国際標準化動向	2019/2/8	高原 智夫 (富士通研究所)
	digital coherent	デジタルコヒーレント光伝送システムの国際標準化動向	2019/2/8	山本 秀人 (NTT)
	400GbE	Ethernetの最新標準化動向 : 400G Ethernet	2018/2/27	磯野 秀樹 (富士通オプティカルコンポーネンツ)
光アクセス	ITU-T 高速PON/PTP	光アクセスシステムの最新標準化動向 <b>New!</b>	2020/2/21	金井 拓也 (NTT)
	(e)CPRI	5G/New Radioに向けての(e)CPRI <b>New!</b>	2020/2/21	宮谷 徹彦 (NEC)
	Beyond 5G	Beyond 5Gに向けた有線アクセスネットワークの進化シナリオ <b>New!</b>	2019/10/24	西村 公佐 (KDDI総合研究所)
	RoF	光ファイバ無線技術の標準化動向	2017/9/13	久利 敏明 (NICT)
	RoF	RoF技術と標準化最新動向	2017/3/9	Pham Tien Dat (NICT)
光ネットワーク ング	P4	データプレーンプログラミング言語のP4に関する標準化動向 <b>New!</b>	2020/2/21	森田 齊 (APRESIA Systems)
	車載光イーサネット	車載光イーサネットの標準化動向 <b>New!</b>	2020/2/21	各務 学 (名古屋工業大学)
	ポスト5G	ポスト5G時代のネットワークインフラへの期待 <b>New!</b>	2019/10/24	佐藤 岳文 (総務省)
	OAM多重伝送	テラビット級無線伝送に向けた取り組み <b>New!</b>	2019/10/24	清水 敬司 (NTT)
	データセンター	次世代データセンタールーティング/データプレーン <b>New!</b>	2019/9/11	土屋 節子生 (アリストタネットワークスジャパン)
	5G	5Gの実現に向けた取組について	2019/2/8	中川 拓哉 (総務省)
	TIP	TIP(Telecom Infra Project)の概要と動向	2019/2/8	木下 健史 (NTT)

Available on PIF website  
<https://www.scot.or.jp/photonic/>  
 (Membership account is required  
 for detailed information)

# Latest Information exchange through Workshops

Workshop is held to discuss the hot topics in **ITU-T, IEEE, OIF, IETF and ONF**, and continuously update a standardization road map. (Recent WS: on February 21, 2020 with 5 lectures and 25 participants)



## Promotion of standard activities in academic societies

We invite an expert engaged in standardization activities in **ITU-T, IEEE, OIF, IETF and ONF**, and plan PIF lecture, cooperating or supporting various meetings and workshops in the **IEICE(\*)**.

(\*)The Institute of Electronics, Information and Communication Engineers

### ◆ Technical Committee on Photonic Network (PN) (June 20, 2019)

- Automotive optical Ethernet in the age of autonomous driving  
- the latest developments and standardization trend -  
Manabu Kagami (Nagoya Institute of Technology)

### ◆ IEICE Society Conference 2019 (September 11, 2019)

- International standardization activities on ultra high-speed optical transmission technologies  
Shoichiro Kuwahara (NTT)
- Next-generation datacenter routing data plane  
Shishio Tsuchiya (Arista Networks Japan)

### ◆ Technical Committee on Optical Communication Systems (OCS) (December 18, 2019)

- Activities for open optical network in the Telecom Infra Project  
Hideki Nishizawa (NTT)

## Collaboration with international standardization organizations

We promote activities of international collaboration with international standardization organizations by co-organized international workshop, to globally activate the standardization activities of Japan.

### ◆ The 13<sup>th</sup> International Conference on Network and Service Management (CNSM 2017) (November 26-30, 2017)

The Photonic Internet Forum (PIF) cosponsored the 2017 edition of CNSM, and at the 4th International Workshop on Management of SDN and NFV Systems (ManSDN/NFV 2017) held in conjunction with CNSM, the representative from the PIF presented on “Progress toward Network Softwarization” as an invited talk.

### ◆ The 15<sup>th</sup> International Conference on IP + Optical Network (iPOP 2019) (May 30-31, 2019)

The Photonic Internet Forum (PIF) supported the conference by the dispatch of the officer, the cooperation to management of TPC, the participation in interoperability demonstration, the operation of the online registration site. In addition, we showed our activities in the exhibition.



### ◆ The 24<sup>th</sup> OECC/PSC 2019 (July 7-11, 2019) Cooperation in the Workshop and participation in the exhibition

The Photonic Internet Forum (PIF) cooperated in the workshop at OECC/PSC2019. “Multi-core fibers using current standard technology” was presented by the invited speaker recommended by the PIF. Furthermore, we participated in the exhibition and introduced our activities by using the poster, the leaflets and the PC slide show.



**CONTACT US**

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