Chris Cole Bibliography Outline

1. **Publications, Refereed** (16)
2. **Conference Presentations, Fiber Optic Communication, Invited** (68)
3. **Conference Presentations, Fiber Optic Communication** (4)
4. **University Lectures, Fiber Optic Communication, Invited** (15)
5. **Contributions, CWDM4 MSA & 4WDM MSA, 100 Gb/s Ethernet** (7)
6. **Contributions, IEEE 802.3, Next Gen 50, 100, 200 & 400 Gb/s Ethernet** (17)
7. **Contributions, IEEE 802.3, 200 & 400 Gb/s Ethernet** (31)
8. **Contributions, IEEE 802.3, 100 Gb/s Ethernet** (45)
9. **Contributions, IEEE 802.3, 40 Gb/s Ethernet** (13)
10. **Contributions, ITU-T, G.693, G.695, OTU3 and OTU4 Clients** (20)
11. **Contributions, OIF, MIS, Ethernet Logic Layer, Coherent, and Thermal** (10)
12. **Contributions, OIF, 43 Gb/s, Nx28 Gb/s, and Nx56 Gb/s Electrical I/O** (12)
13. **Contributions, CFP (CFP, CFP2, CFP4, CFP8), OSFP & DSFP Module MSAs** (27)
14. **Patents, Fiber Optic Communication, Lead Inventor** (10)
15. **Patents, Fiber Optic Communication, Co-Inventor** (4)
16. **Patents, Medical Ultrasound Imaging, Lead Inventor** (8)
17. **Patents, Medical Ultrasound Imaging, Co-Inventor** (32)
18. **Patents, Voice-band Data Communication, Co-Inventor** (3)
19. Presentations and Contributions, Military Satellite Communication, Classified (not listed)

Chris Cole Bibliography

*(return to outline)*

1. Publications, Refereed


(return to outline)

2. Conference Presentations, Fiber Optic Communication, Invited


[2.8.] C. Cole, “100G/Lane: Which Problem Are We Solving?”, Workshop on 100G Signaling: Enabling Next Generation Interconnects, Optical Interconnects 2018, Santa Fe, NM, 5 June 2018.


[2.13.] C. Cole, “Sub $0.25/Gbps Optics; How and When will Fiber Finally Kill Copper Cable Interconnects in the Data Center (DC)?”, Rump Session, OFC 2017, Los Angeles, CA, 21 March 2017.


[2.39.] C. Cole, “When is 100GbE per Lambda a Compelling Investment?” Joint OIDA and Ethernet Alliance 100GbE per Lambda for Data Center Workshop, P3, San Jose, CA, 12-13 June 2014.


[2.46.] C. Cole, “Optics Within the Box and Inside the Rack Same Old Story or Disruptive Architecture?”, IEEE Photonics Society Summer Topical, Waikoloa, HI, 8-10 July 2013.


(return to outline)

3. Conference Presentations, Fiber Optic Communication

( return to outline)

4. University Lectures, Fiber Optic Communication, Invited
[4.8.] C. Cole, “Fiber Optic Communication Future Data Rate Technologies,” Electrical and Computer Engineering Seminar, University of California, Santa Barbara, CA, 26 October 2012.


(return to outline)

5. Contributions, CWDM4 MSA and 4WDM MSA, 100 Gb/s Ethernet


(return to outline)

6. Contributions, IEEE 802.3, Next Gen 50, 100, 200 & 400 Gb/s Ethernet


[6.5.] C. Cole, “400GBASE-LR4 Link Budget Proposal,” IEEE 802.3 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force, cole_3cu_01b_0919, Indianapolis, IN, 9 September 2019.
[6.6.] D. Lewis, et al., “400GBASE-LR4 (6 km) Baseline Proposal,” IEEE 802.3 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force, lewis_3cu_02a_0919, Indianapolis, IN, 9 September 2019.
[6.8.] C. Cole, “What’s so special about 10km?” IEEE 802.3 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force, cole_3cu_02a_0519, Salt Lake City, UT, 23 May 2019.
[6.9.] C. Cole, “Two SMF Spec Limit Types for 802.3 PMDs Proposal,” IEEE 802.3 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force, cole_3cu_01a_0519, Salt Lake City, UT, 23 May 2019.

(return to outline)

7. Contributions, IEEE 802.3, 200 Gb/s & 400 Gb/s Ethernet


[7.8.] C. Cole, “400Gb/s 10km duplex SMF NRZ PMD Baseline Specifications,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_04_0315, Berlin, Germany, 10-12 March 2015.

[7.9.] C. Cole, “400Gb/s 2km duplex SMF NRZ PMD Baseline Specifications,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_03_0315, Berlin, Germany, 10-12 March 2015.


[7.15.] C. Cole, “400Gb/s 500m PSM4 PAM-4 PMD Nominal Specifications,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_04a_1114, San Antonio, TX, 4-6 November 2014.

[7.16.] C. Cole, “400Gb/s 500m PSM4 NRZ PMD Nominal Specifications,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_03a_1114, San Antonio, TX, 4-6 November 2014.
[7.17.] C. Cole, “400Gb/s 2km & 10km duplex SMF PAM-4 PMD Nominal Specifications,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_02a_1114, San Antonio, TX, 4-6 November 2014.

[7.18.] C. Cole, “400Gb/s 2km & 10km duplex SMF NRZ PMD Nominal Specifications,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_01a_1114, San Antonio, TX, 4-6 November 2014.

[7.19.] P. Stassar, et al., “SMF PMD Decision Tree Status,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, stassar_3bs_01b_0914, Kanata, ON, Canada, 8-10 September 2014.

[7.20.] C. Cole, “Ideal SNR Penalties,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_01_0914, Kanata, ON, Canada, 8-10 September 2014.


[7.23.] C. Cole, “400Gb/s 500m PMD Alternatives,” IEEE 802.3bs 400 Gb/s Ethernet Task Force, cole_3bs_01a_0514, Norfolk, VA, 12-14 May 2014.


[7.27.] C. Cole, “400Gb/s PMD Objectives Considerations,” IEEE 802.3 400 Gb/s Ethernet Study Group, cole_400_01a_1113, Dallas, TX, 12-14 November 2013.


(\textit{return to outline})

8. Contributions, IEEE 802.3, 100 Gb/s Ethernet


[8.16.] M. Dudek, et al., “Marrying Copper and Optical,” IEEE 802.3 Next Generation 100GbE Study Group, dudek_01a_1111_NG100GOPTX, Atlanta, GA, 7-10 November 2011.


[8.18.] C. Cole, “100GE Optics Study Proposal,” IEEE 802.3 Next Generation 100GbE Study Group, cole_01a_1111_NG100GOPTX, Atlanta, GA, 7-10 November 2011.

[8.19.] C. Cole, “Investigation Topics,” IEEE 802.3 Next Generation 100GbE Study Group, cole_02_0911_NG100GOPTX, Chicago, IL, 12-15 September 2011.


(\textit{return to outline})

9. Contributions, IEEE 802.3, 40 Gb/s Ethernet


Ethernet SMF PMD Study Group, ambrose_01_0110, New Orleans, LA, 28-29 January 2010.


(return to outline)

10. Contributions, ITU-T, G.693, G.695, OTU3 and OTU4 Clients (G. Newsome, J. Eaves, and P. Stassar represented Finisar at ITU-T and are listed as leads on contributions per process.)


( return to outline )

11. Contributions, OIF, MIS, Ethernet Logic Layer, Coherent, and Thermal


(return to outline)

12. Contributions, OIF, 43 Gb/s, Nx28 Gb/s and Nx56 Gb/s Electrical I/O

13. Contributions, CFP (CFP, CFP2, CFP4, CFP8), OSFP & DSFP Module MSAs

14. Patents, Fiber Optic Communication, Lead Inventor


15. Patents, Fiber Optic Communication, Co-Inventor


16. Patents, Medical Ultrasound Imaging, Lead Inventor


17. Patents, Medical Ultrasound Imaging, Co-Inventor


(return to outline)

18. Patents, Voice-band Data Communication, Co-Inventor

C. Cole


(return to outline)

19. Presentations and Contributions, Military Satellite Communication, classified (not listed.)