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[2.3.] C. Cole, "Reference Baseline for 800G Intra-Datacenter Links," Applications and Technology Drivers for Short-reach Coherent links at 800G and Beyond Workshop, OFC 2020, San Diego, CA, 8 March 2020.

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- [2.6.] C. Cole, "Ultrahigh Capacity Challenges in the Datacenter," MW15: Workshop on Ultrahigh-Capacity Communications with Spatial, Temporal, Spectral Domains, International Symposium on Ultrafast Photonic Technologies & Special Symposium on Silicon Photonics of the Future, Napa, CA, 17 June 2019.
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- [2.10.] C. Cole, "Optics Integration onto Switch Engines," Defining Key Areas for Industry Roadmap Development, ON2020 Exhibit Floor Theater II Session, OFC 2019, 6 March 2019.
- [2.11.] C. Cole, "Inside the Datacenter is not yet a Nail for the Coherent Hammer," WS05 - Data Centers - 1, Session 1, Has the Time come for Coherent Optics in the Data Centers? ECOC 2018, Rome, Italy, 23 September 2018.
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- [2.62.] C. Cole, "100Gb/s & Higher Speed Ethernet How This Drives OTN Rates," Next Generation Packet-Optical Networks, Tera Santa Workshop, Tel Aviv, Israel, 13 April 2011.
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- [2.67.] C. Cole, "Optical PMD Overview," 40/100GbE Tutorial, Ethernet Technology Summit, T1A, San Jose, CA, 24 February 2010.
- [2.68.] C. Cole, "Optical Transceivers for 100G," F3-4, Transceiver Circuits for Optical Communications Forum, 2010 International Solid-State Circuits Conference (ISSCC), San Francisco, CA, 11 February 2010.
- [2.69.] C. Cole, "100Gb/s Clients," 100 Gb/s - How, Where, When Workshop, WS5, ECOC 2009, Vienna, Austria, 20 September 2009.

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[3.4.] T. J. Xia, et al., "End-to-end Native IP Data 100G Single Carrier Coherent Detection Transport over 1520-km Field Deployed Fiber," OFC/NFOEC 2010, PDPD4, San Diego, CA, 21-25 March 2010.

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4. University Lectures, Fiber Optic Communication, Invited

[4.1.] C. Cole, "The Perils of Conventional Thinking," Emergent Science and Technologies Seminar Series, Department of Electrical & Computer Engineering, University of California Davis, Davis, CA, 11 October 2019.

[4.2.] C. Cole, "The Perils of Conventional Thinking," The Industry Perspective Lecture Series, UCSB Photonics Society, University of California, Santa Barbara, CA, 9 May 2019.

[4.3.] C. Cole, "Current and Next Generation Datacom Optics," Industrial Technology Research Institute & National Chiao-Tung University, Hsin-Chu, Taiwan, 28 October 2016.

[4.4.] C. Cole, "Datacom Optics," Electrical and Computer Engineering Seminar, University of California San Diego, La Jolla, CA, 22 April 2015.

[4.5.] C. Cole, "Evolution of Data Center Optics," Department of Telecommunications Lecture, AGH University of Science and Technology, Krakow, Poland, 20 September 2013.

[4.6.] C. Cole, "Evolution of Optical Interfaces for Data Centers," Annual Symposium, Stanford Photonics Research Center, Stanford University, Stanford, CA, 17 September 2013.

[4.7.] C. Cole, "Fiber Optic Communication in Practice," Research Experience for Undergraduates Seminar, Electrical Engineering, Stanford University, Stanford, CA, 25 June 2013.

[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.

[4.9.] C. Cole, "Fiber Optic Communication in Practice," RAD Seminar, Stanford University, Stanford, CA, 4 October 2012.

[4.10.] C. Cole, "Capacity and Power Efficiency Increases in Fiber Optic Communications," The Institute for Energy Efficiency Lecture, University of California, Santa Barbara, CA, 11 February 2011.

[4.11.] C. Cole, "Fiber-Optic Communications," Institute of Microelectronic Lecture, A-STAR, Singapore, 7 May 2010.

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[4.13.] C. Cole, "Technology Directions in Fiber-Optic Communication," Electrical Engineering Lecture, Fudan University, Shanghai, China, 18 April 2008

[4.14.] C. Cole, "Technology Directions in Fiber-Optic Communication," Electrical and Computer Engineering Seminar, University of California, Davis, CA, 7 December 2007.

[4.15.] C. Cole, "Future Technology Directions in Fiber-Optic Communication," Electrical Engineering Lecture, Nanyang Technological University, Singapore, 29 January 2007.

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

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[5.6.] C. Cole, "802.3 SMF PMD Nomenclature Proposal with Application to 400GBASE-LR4," IEEE 802.3 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force, cole_3cu_01a_1119, Kona, Hawaii, 11 November 2019.

[5.7.] C. Cole, "400GBASE-ER8, 200GBASE-ER4, 50GBASE-ER1 Specifications Proposal," P802.3cn 50 Gb/s, 200 Gb/s, and 400 Gb/s over greater than 10 km of SMF Task Force, cole_3cn_01a_190924, Interim Teleconference, 24 September 2019.

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- [5.19.] C. Cole, "100 Gb/s SMF PMD Specifications and Objectives Proposal," IEEE 802.3 50 Gb/s Ethernet Over a Single Lane Study Group and IEEE 802.3 Next Generation 100 Gb/s Ethernet & 200 Gb/s Ethernet Study Group, cole_50GE_NGOATH_02b_0116, Atlanta, GA, 20-22 January 2016.
- [5.20.] C. Cole, "50 Gb/s and 200 Gb/s SMF PMD Specifications & Objectives Proposal," IEEE 802.3 50 Gb/s Ethernet Over a Single Lane Study Group and IEEE 802.3 Next Generation 100 Gb/s Ethernet & 200 Gb/s Ethernet Study Group, cole_50GE_NGOATH_01_0116, Atlanta, GA, 20-22 January 2016.

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

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- [6.3.] C. Cole, "200Gb/s Ethernet End User Comments," IEEE 802.3 IEEE 802.3 200 Gb/s Ethernet Single-mode Fiber Study Group, cole_50GE_NGOATH_01_0316, Macau, China, 14-16 March 2016.
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