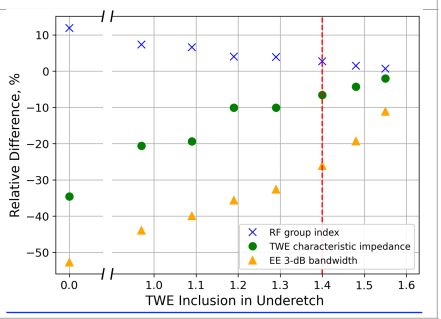
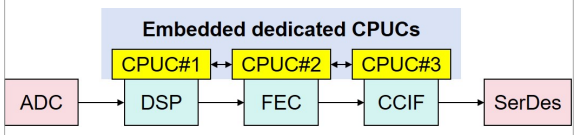
Errata for ECOC 2025

Please note that only minor and specified changes and updates of individual figures are allowed as errata. A new version of the 3p paper pdf is not allowed, and will not be included as part of this document.
This version was compiled Sept 24, 2025 and no further errata will be accepted.
ECOC 2025 TPC chairs

Monday papers

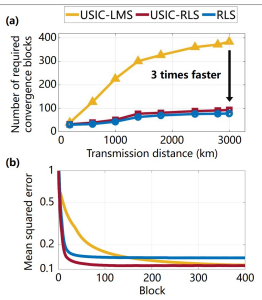
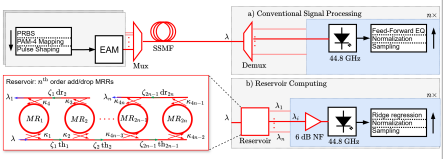
Paper no	Change	
M.02.01.5	none	
M.02.02.3	Updated figure	
M.02.08.4	1. Please change the laser frequency to 194.525 and 194.675 THz. (in the text and Fig. 2) 2. The company name has changed. (NTT Corporation → NTT Inc.)	
M.03.01.3	（1） There is a font error in Figure 1(b), the font for "API Invocation" should be adjusted to Calibri to maintain consistency with the other parts. （2） A typographical error appears in Figure 2(f), where "OCh 2-estimated" should be corrected to "OCh 3-estimated". Please find the corrected figures attached below.	
M.03.02.2	Page 2, last line references "... (AIR) of 154 Gb/s...", that was the symbol rate, not the AIR. The AIR was 345, as described in Fig. 2. please change that sentence to "... (AIR) of 345 Gb/s using PAM8." Page 3, Tab. 1: the splitting ratio of the Ref. MZM is 1:0, not 1:1. This is detailed in the text on page 2.	
M.03.03.2	In the conclusion section of the paper, the BER value of '5.8 x 10^5 ' should be adjusted to be '5.8 x 10^{-5}'.	
M.03.07.5	If possible, in the acknowledgement section on page 4, in addition to the current funding statement, add one more funding statement like this - 'This work is also partly supported by the UK Engineering and Physical Sciences Research Council (EPSRC) grant [EP/Y037243/1] for TITAN Telecoms Hub.'	
M.03.01.2	In our paper, we mistakenly listed the wrong authors for the following reference: [9] Yihao Zhang, Qizhi Qiu, Xiaomin Liu, Dianxuan Fu, Xingyu Liu, Leyan Fei, Yuming Cheng, Lilin Yi, Weisheng Hu, and Qunbi Zhuge., “First Experimental Demonstration of Full Lifecycle Automation of Optical Network through Fine-Tuned LLM and Digital Twin,” European Conference on Optical Communication (ECOC), Frankfurt, Germany, Sep. 2024. The correct authors and citation should be: [9] Chenyu Sun, Xin Yang, Nicola Di Cicco, Reda Ayassi, Venkata Virajit Garbhapu, Photios A. Stavrou, Massimo Tornatore, Gabriel Charlet, Yvan Pointurier, “First Experimental Demonstration of Full Lifecycle Automation of Optical Network through Fine-Tuned LLM and Digital Twin,” European Conference on Optical Communication (ECOC), Frankfurt, Germany, Sep. 2024.	

Tuesday papers

Paper no	Change	
Tu.01.06.4	Figure changed	
Tu.01.07.2	Please change "supress and supressed" in the whole paper to "suppress and suppressed" . In addition I'd like to change Demax to Demux in Fig.4.	
Tu.01.08.4	On the 1st Page, in the Part "System setup", please change "The pulse repetition rate and pulse duration are set to $f_P=100$ kHz and $T_{P}=100$ ns, respectively." to "The pulse repetition rate and pulse duration are set to $f_P=1$ kHz and $T_{P}=100$ ns, respectively."	
Tu.01.09.5	Please correct the typos in the main text: page 3 Result: "The light is then concentrated onto the APD receiver HAS-X-S 1G4-SI whose -3dB bandwidth is 1.6GHz". It should be corrected as "The light is then concentrated onto the PIN receiver HAS-X-S 1G4-SI whose -3dB bandwidth is 1.4GHz". If possible, also change this sentence to improve the redability in the main text: page 3 Result: "the performance when scaling up the bandwidth. The system reaches the maximum estimated data rate when the bandwidth is 1.6GHz, afterwards the6 GHz, and a larger bandwidth than 1.6 GHz would result in a smaller data rate due to high-frequency attenuation would suppress the signal power and offsets the merits of larger bandwidth." It should be corrected as: “The system reaches the maximum estimated data rate when the bandwidth is 1.6 GHz, and a larger bandwidth than 1.6 GHz would result in a smaller data rate due to high-frequency attenuation.”	

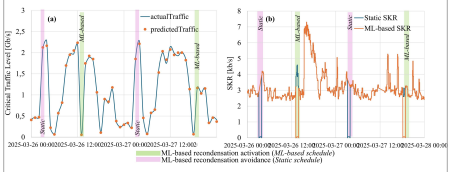
Paper no	Change	
Tu.01.09.5	The "LED" in the abstract refers to non-micro LED (diameter less than 100um). So we want to replace "single-pixel LED device " with "single-pixel conventional-size LED device ". Therefore, readers may notice that LED can both have high speed and relatively large power without be made too small. And our innovation is better addressed. The modified abstract is as follows: “We proposed a 12-mil (305μm) Si-substrate LED with 3D pn-junction and distributed Bragg reflectors. It features in high radiative efficiency and narrower emission spectrum. As far as we know, it is the first time that a single-pixel non-micro LED device achieves 10Gbps data rate.” Please replace the old abstract with the new one that adds "non-micro" between "single-pixel " and "LED".	
Tu.03.06.6	Kindly make the following corrections based on this updated list: 1. Affiliation (2): Change the postcode from “16440” to “164 40”. 2. Figure 1: Replace the entire Fig. 1 with the updated version provided (the modified figure updates the DSO blocks and DSP block). 3. Section “IM/DD Experimental Setup”, Paragraph 2, Line 7: Change “RRC filtering” to “Matched RRC”. 4. Section “BU-LSTM Architecture”, Paragraph 1, Line 13: Change “20” to “40”.	
Tu.03.08.3	Typo in Fig 1(a) and (b) (CH16 instead of CH32), change in the text to reflect the correction of the type in p.2 paragraph “experimental results” (Fourier transform (FFT) of the pixel in "Row 25, Channel 15" instead of Channel 31)	
Tu.04.02.3	In eq. (2), the term T_{TEi-TEj}(λ) should be (T_{TEi-TEj}(λ) - T_{TEi-TEi}(λ)). To avoid misunderstanding, an image is attached.	$CT = \max_{\lambda \in [\lambda_{\min}, \lambda_{\max}]} \left(\max_{i,j \in \{0,1,2,3\}, i \neq j} (T_{\mathrm{TE}i-\mathrm{TE}j}(\lambda) - T_{\mathrm{TE}i-\mathrm{TE}i}(\lambda)) \right)$
Tu.04.06.2	I have changed the wrong references styles to the correct formats and also the reference [5] in which the author names are swapped.	
Tu.04.07.2	On page 3, in the left column, I have a sentence: "The total insertion loss of the HCF assembly was 13 dB, of which 10.9 dB was attributed to propagation loss, consistent with prior reports [5]." It must be changed to "The total insertion loss of the HCF assembly was 5 dB, of which 3 dB was attributed to propagation loss, consistent with prior reports [5]."	

Wednesday papers

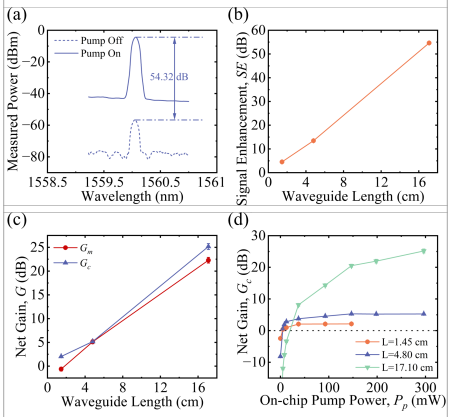
Paper no	Change	
W.02.01.11	Some words in the title are not capitalized. The correct title should be changed to "Silicon Photonic CROW Filter for Integrated Carrier-Extracted Self-Coherent Receiver with Signal Guard Band Optimization".	
W.02.01.17	The previously uploaded version was not IEEE Xplore-compatible®. The attachment is the correct version. (*New version of paper not allowed as errata, Eds note.)*	
W.02.01.18	Please help me add a period after the phrase "wavelengths as shown in the figure" in the text above the image in Fig2.	
W.02.01.31	I have revised the values in the last sentence on page 2. The incorrect values were “-0.19 nm and +0.20 nm,” and the correct values are “-1.72 nm and +1.76 nm.” I mistakenly wrote the wavelength as the phase. The discussion thereafter remains unchanged.	
W.02.01.43	Due to the lack of a subject, "Leveraging the 3D tailoring capability of fs-laser writing technology, is precisely engineered to function as a (de)MUX for various SDM fibers (MCF, FMF, OAM), to achieve efficient multi-channel coupling between different SDM fibers and silicon waveguide" should be replaced by "Leveraging the 3D tailoring capability of fs-laser writing technology, the device is precisely engineered to function as a (de)MUX for various SDM fibers (MCF, FMF, OAM), enabling efficient multi-channel coupling between different SDM fibers and silicon waveguides."	
W.02.01.54	We would like to replace Fig.4 with the attached image.	
W.02.01.69	I would be grateful if you could replace “Figure 1: Simulated IM/DD-WDM transmission configuration for n channels and signal equalization” with the attached PNG file.	

Paper no	Change	
W.02.01.92	1. The first two legends are correctly swapped in Fig. 4. Also, the typos in the legends "Eq. 7", "Eq. 8", "Eq.9" are corrected, and the "2 GBaud" in the Fig.4 caption is corrected to "3 GBaud"; 2. The dashed curves in Fig.4 are replotted such that they share the x-coordinate. Previously, I plotted them with offsets to align them with the back rotation curve (dot curve), showing good matching between them, but I realized it can be confusing when illustrating the optimal Rs point. As there is no more room to add explanatory words, I changed the plotting method. 3. The physical constant "1.736" used in Eq.(6) is corrected to "1.763"; the optimal Rs value is corrected from 1.25 Gbaud to 1.27 GBaud, which does not affect the conclusion. 4. A few language corrections. I would be very grateful if this errata version could replace the previously uploaded ones. Thanks so much. *(New version of paper not allowed, Eds note.)*	
W.02.01.103	Requested change： In the paper's second page, right column, this sentence: Furthermore, during the contraction of nodes whose edge-difference is smaller than the lower of the two endpoints of the failed link, the contraction process requires no adjustment. Add a sentence after it: This operation also trades minimal path optimality for efficiency gains. The original text is missing the above explanation for this sentence.	
W.02.01.111	We would like to clarify a correction in the Results and Discussion section. The originally written sentence mistakenly stated “–9.75 dBm for strong bursts and –6.75 dBm for weak bursts.” The correct description should be “–9.75 dBm for weak bursts and –6.75 dBm for strong bursts.”	

Paper no	Change	
W.02.01.131	1. Page 3: Swap figure 3 for new figure with corrected better-practice phase noise units (now SI unit dBrad^2/Hz from previous non-SI unit dBc/Hz) and corrected integration range unit (now 10MHz not 10Mhz). Note that moving from dBc/Hz to dBrad^2/Hz also results in the curves moving up by 3 dB which has also been applied in the figure (as the unit dBc/Hz is 3 dB lower than dBrad^2/Hz). 2. Page 3: In results and discussion, swap dBc/Hz for dBrad^2/Hz (note that the 2 should be in superscript). 3. Page 4: Swap references [8] and [9], they are the wrong way round, i.e. A.H.Hartog should be reference [8], F. Quinlan should be reference [9]. 4. Page 1: In final paragraph, beginning 'Here, ...', swap [9] for [8]. 5. Page 2: In first paragraph of System Architecture, beginning 'Fig. 1, ...', swap [8] for [9]. 6. Page 2: In paragraph 2, beginning 'Combining our approaches, ...' swap 1KHz for 1kHz. 7. Page 1: End of paragraph 2 of Introduction, beginning 'Currently, ...', swap '... from the very low signal power [6].' with '... due to the very low signal power [6].' 8. Page 3: Swap figure 4 for higher resolution PNG image. 9. Page 3: Swap figure 5 for higher resolution PNG image. *(New version of paper is not allowed as erratum, Eds. note)* Also provided PDF of the errata corrected manuscript in case that makes things easier.	
W.02.01.139	Acknowledgement This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie COFUND grant agreement No 101034248 and has been supported by the European Commission through the HORIZON project PARALIA (101093013). Thanks to III-V Lab for designing and providing the chip used for this demonstration.	
W.02.01.142	1. In the Affiliation, "Berxel Photonics Co. Ltd., Shenzhen 518071, China" should be corrected to "Berxel Photonics Co., Ltd., Shenzhen 518071, China" (a missing comma after Co.). 2. The Acknowledgements section should be corrected to: "This work was supported in part by the Tsinghua Shenzhen International Graduate School–Shenzhen Pengrui Young Faculty Program of Shenzhen Pengrui Foundation (SZPR2023008) and in part by the Shenzhen Science and Technology Innovation Commission on Shenzhen–Hong Kong Joint Research Project (SGDX20230116093302005)."	
W.02.01.143	Affiliation (3) originally was "State Grid Information & Telecommunication Branch, Beijing, 100761, China". Now we would like correct it to "State Grid Information & Telecommunication Center(Big Data Center), Beijing, 100761, China".	
W.02.01.154	The first author's affiliation information has been updated in the revised manuscript. The first affiliation is Xi'an University of Posts and Telecommunications. The revised content is shown in the attachment. Thank you.	

Paper no	Change	
W.02.01.156	In my simulations, I inadvertently omitted a square term for the singular values in the BLAST capacity formula. The figures have been updated accordingly to reflect this correction. This adjustment does not diminish the scientific significance of the contribution; on the contrary, our results now indicate that the achievable gains from introducing mode-division multiplexing into turbulence-affected FSO links are even greater than initially reported. *(New figs and new data not allowed, Eds. note)*	
W.02.01.160	We respectfully submit the following corrections for our accepted ECOC 2025 paper titled “B-Spline-based Hammerstein Nonlinear Equalizer for High-Sensitive VLC Systems using SiPM”: Fig. 2 Legend: Original text: “... the transmitted optical power is 2.1μW/cm²” Correction: “... the transmitted optical power is 2.1mW/cm²” Fig. 3 Legend: Original text: “... the transmitted optical power is 0.7μW/cm²” Correction: “... the transmitted optical power is 0.7mW/cm²” Figure 3(b) X-Axis Tick Labels: Original labels: “10^{-7}” should be corrected to “10^{-4}” “10^{-6}” should be corrected to “10^{-3}” The corrected version of the full manuscript has been attached in PDF format as requested.	
W.02.01.195	I have changed the colored pattern in legend from light orange to pink in the Fig. 3.	
W.03.05.4	I've modified figure 1, where the visualization of a WS was missing, and figure 4, where there was a problem with the size of the figures on the horizontal axis (year). (*New version of paper not allowed, Eds note.)*	
W.04.02.5	So there was just two gramatical mistake and a unit for a graph is missing. I have uploaded the corercted version. No technical data is changed. Also the table is aligned now. (*New version of paper not allowed, Eds note.)*	
W.04.02.2	The correct ring radius is 20um instead of 24um	
W.04.07.2	Some words in the title are not capitalized. The correct title should be changed to "Silicon Photonic Integrated Carrier-Extracted Self-Coherent Detection Receiver Based on a Second-Order CROW Filter for Short-Reach Interconnects".	

Thursday papers

Paper no	Change	
Th.01.02.1	Changes: 1. On page 3, the sentence: "Fig. 4(d) reveals the dependence of the net gain (Gm) on the on-chip pump power." needs to be revised to: "Fig. 4(d) reveals the dependence of the net gain (Gc) on the on-chip pump power." 2. The caption of Figure 4: "Fig. 4: Gain characterization ... (d) Net gain as a function of the on-chip pump power." needs to be revised to: "Fig. 4: Gain characterization ... (d) Net gain (Gc) as a function of the on-chip pump power." 3. The Figure 4 needs to be revised to an updated version in upload file. Reason for Changes: In subsequent experiments, we identified that the actual loss of the lensed fiber was higher than initially estimated. This discrepancy resulted in an underestimation of the on-chip net gain when using the directly measured values (Gm) to quantify the on-chip net gain (G). To more accurately represent the actual on-chip gain performance, we have updated Figure 4(d) by replacing Gm with the calculated net gain (Gc).	
Th.01.03.1	At the end of the 2nd page, we have the sentence: "These results demonstrate superior thermal stability compared to commercial lithium niobate modulators (−0.02 to −0.05 GHz/°C) and conventional silicon photonic devices (−0.015 GHz/°C) [10–12]." This is not correct. Kindly update it to: "These results demonstrate better thermal stability compared to commercial lithium niobate modulators and conventional silicon photonic devices [10–12]." Many thanks!	
Th.01.03.5	Figure 2 detail: bias voltage for IN2 of subtractor. Vb1 -> Vb2	
Th.01.05.3	Requested Changes: Power consumption equation clarification: The current equation for calculating total power consumption uses "T_i" to denote time spent in individual states, which may be confusing as "T" is already used for timers elsewhere in the paper. To improve clarity, I would like to change this to lowercase "t_i" and additionally include the switching phases as part of the summation. Formatting correction: Correct the formatting of one "T_listen" on page 2 which is currently displayed incorrectly.	
Th.02.01.1	Change fig3.(c)	