

Review of: "A 400-Gb/s WDM-PAM4 OWC system through the free-space transmission with a water-air-water link"

Moustafa Aly

Potential competing interests: The author(s) declared that no potential competing interests exist.

My Review

[A 400-Gb/s WDM-PAM4 OWC system through the free-space transmission with a water-air-water link](#)

Thank you for your interesting work.

The paper introduces an improved FSO WDM system with a tremendous bit rate reaching 400 Gbps.

I have some comments to be considered in the modified manuscript.

1) Why did you use an 8.8-m piped water-air-piped water link or a 6.5-m turbid water-air-turbid water link?

Define these pipes links carefully showing also their applications.

2) It is preferred to add a paragraph for paper organization (at the end of "Introduction").

3) Figure 3 shows the performance after one hour. I prefer to draw a table (or by any means) to show the percentage change in performance (positive or negative enhancement).

4) Some values of BER reach 10^{-10} and 10^{-11} . Do you see that these values are practical in free space optical systems?

5) You wrote that you compared with previously published work. Can you please draw a table of comparison?