

Cédric Ware

Professor, optical communications and networking

Citizenships: French, Swiss

CV dated: September 26, 2026

Télécom Paris, Communications & Electronics dept
19 place Marguerite Perey, 91120 Palaiseau, France
cedric.ware@telecom-paris.fr / +33 1 75 31 93 04

<http://perso.telecom-paristech.fr/ware/>

Professional experience

July 1998–
current **Télécom Paris** (one of France’s top engineer schools, specialized in Information Technology):
Professor (2021–); Instructor/Assistant/Associate Professor (1998–2021)

October 2010–
July 2011 **Columbia University**, Lightwave Research Laboratory: Visiting Research Scientist
→ Cross-layer Optical Networks, Optical Packet Switching

Honors, Titles and Degrees

2021 Order of the “Palmes Académiques” (Knight)

2013 Habilitation degree (allows to direct Ph. D. theses independently), *Université Pierre et Marie Curie*

1996–2003 **Télécom Paris**

2003 **Ph. D.** in Electronics & Communications

1998 Engineer’s diploma (M. Sc. level) in Telecommunications

1993–1996 **École Normale Supérieure**: France’s top institution of higher learning for researchers and professors

1996 DEA (M. Sc. level, Ph. D. track) in Lasers, Plasma, Optoelectronics

1996 Licence (B. Sc.) in Computer Science

Research & Teaching activities

Research: cross-layer optical networking, quantum communications, optical switching, coherent optical communications, clock recovery

→ European and national projects, **leader of joint actions**

→ collaborations with **international partners** (incl. U.S., Denmark, Germany, Japan)

→ IEEE and Optica **Senior Member**

→ **Ph. D. advisor**: 13 students graduated, 2 ongoing

Publications: $\simeq$ 110 to date in high-profile journals, international & national conferences

→ **invited & postdeadline papers**;

→ JOCN “Editor’s Pick” award (2018); Elec. Lett. “**Letter of the Month**” award (2008)

→ **Associate Editor**, Annals of Telecommunications (IMT/Springer)

→ Reviewer for: IEEE PTL, IEEE/OSA JLT, OSA Opt. Lett., Elec. Lett., Elsevier OFT, IEEE TCAS...

Teaching: optical communications and networks, optics, semiconductor physics; sustainability transition; pushing for more active learning

→ **coordinator** M. Sc. on optical networks and photonic systems (in English)

↳ included in the Erasmus Mundus joint Master degree SMARTNET (2018–2022)

→ **coordinator** capstone-project course of TELECOM engineering-degree track

→ **coordinator** first-year course on quantum & statistical physics for semiconductors (2011–2023)

Selected publications

[1] C. Ware, R. Aymeric, C. Zidi, and M. Lourdiane.

Potential impact of CV-QKD integration on classical WDM network capacity.

IEEE Photonics Technology Letters, 34(18):957–960, September 2022.

[2] A. Minakhmetov, C. Ware, and L. Iannone.

TCP Congestion Control in Datacenter Optical Packet Networks on Hybrid Switches.

Journal of Optical Communications and Networking, 10(7):B71–B81, May 2018.

[3] L. K. Oxenløwe, F. Gómez Agis, C. Ware, S. Kurimura, H. C. H. Mulvad, M. Galili, K. Kitamura, H. Nakajima, J. Ichikawa, D. Erasme, A. T. Clausen, and P. Jeppesen.

640 Gbit/s data transmission and clock recovery using an ultra-fast periodically poled lithium niobate device.

In *Optical Fiber Conference*, number PDP22, San Diego, CA, USA, February 2008.

Postdeadline paper.