

PHOTOPTICS 2026

14th International Conference on Photonics, Optics and Laser Technology

MARBELLA, SPAIN

6 - 8 MARCH, 2026

Workshop on “Photonic Technologies for a Sustainable ICT”

March 6th, 2026

Co-chairs: Dominique Chiaroni (Nokia Bell Labs), Leif Katsuo Oxenløwe (DTU-Fotonik) and Olivier Bouchet (Orange Labs)

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IOWN
GLOBAL FORUM™

THE SHIFT
PROJECT

SUSTAIN
6G

The workshop in few lines



It was a **fruitful workshop** where **experts have shared their knowledge on the context**, on the **need for a sustainable design of future products** and on the **need to include optical technologies in this new approach**.

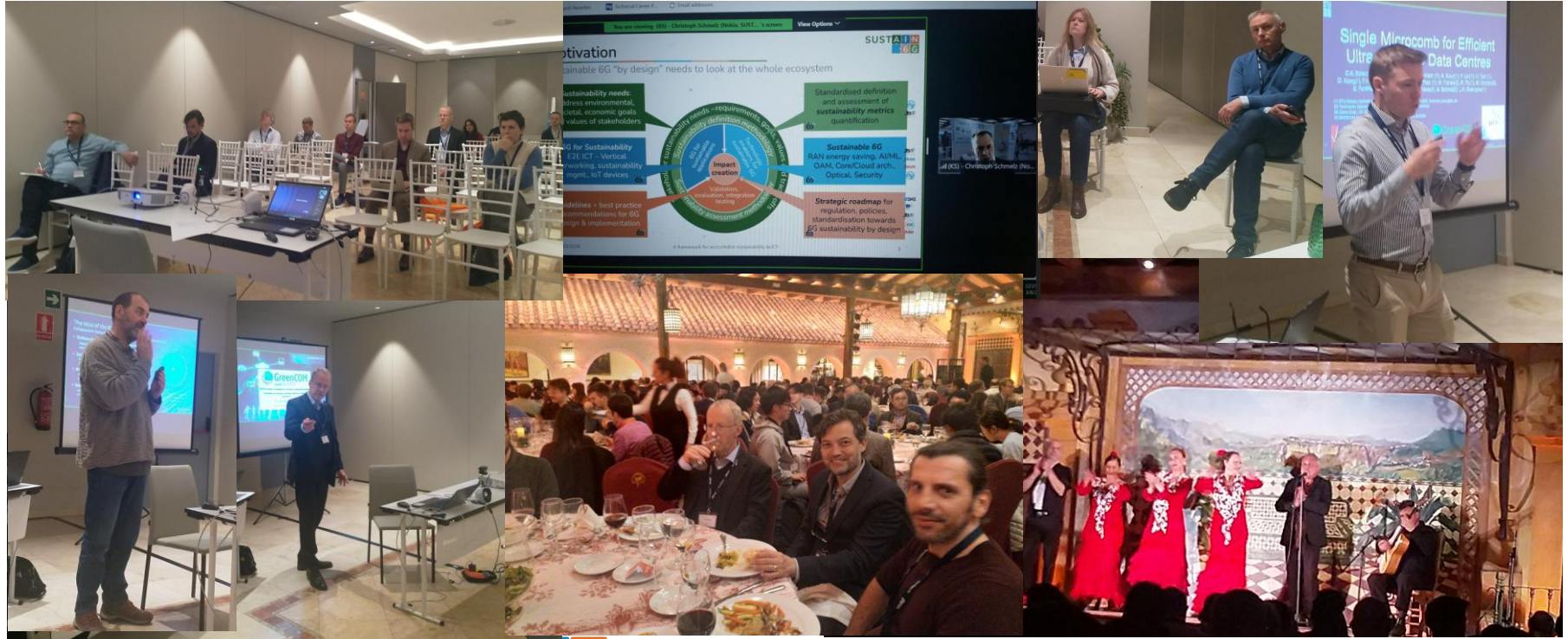
The **Session 1A** was focused on the **context** and on the **sustainable approach through the Sustain 6G project**. At the end of the session some key presentations have demonstrated the potential of optical technologies for addressing these new challenges.

The **Session 2A** made a focus on the **project GreenCOM** that is **developing 31 new technologies including 19 new optical technologies** to make the **ICT greener**. Strong papers have illustrated some strong examples of directions to adopt to make optical transmissions systems more energy efficient.

Finally, the **Session 3A** with a first introduction of the **IOWN Global forum** and then some important talks showing the **potential of optical wireless communication technologies** and of a **digital twin** to really optimize the network of tomorrow **has created a new dynamic to investigate new optical systems and networks**.



The workshop in few photos



Conclusion



Many thanks to:

- **The General Chairs and the organizer of Photoptics 2026** to have made this workshop possible. Many thanks to them.
- **The scientific committee of the Workshop** for the review of the papers and summaries.
- **All the keynote speakers** who have provided solid information to better understand the problematic but also to provide new research directions.
- **All the invited speakers** that have provided strong inputs to enlarge the scope.
- **All the regular speakers** who have presented excellent results, opening new perspectives for a sustainable ICT.
- **The audience** for the fruitful interactions.

The optical technology has shown a lot of opportunities to pave a sustainable ICT.



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Muchas gracias



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