

EU COST ACTION on Future Generation Optical Wireless Communication Technologies - NEWFOCUS CA19111

3rd White Paper on OWC 2023/4 – Call for Contributions

The first two White Papers were on the use of OWC as an enabling technology (i) in a range of areas outlined in HE's Pillar II; and (ii) for medium- and long-range links in terrestrial, space-to-ground and ground-to-space, inter-satellite, and underwater communications. The focus of this final **White Paper on Optical Wireless Communication** will be on *Devices, Fundamental concepts (i.e., theoretical analysis), Practical testbeds, Emerging Technologies in OWC, Standards, Special Interest Groups* for (i) free space optics; (ii) visible light communications; (iii) ultraviolet communications; (iv) optical camera communications; (v) hybrid OWC; (vi) hybrid RF/THz/OWC; and (vi) optical wireless networking with key feature of illumination, data communications, localization, sensing, and vision, and its applications including Health, Manufacturing, Agriculture and Environment, Culture, Creativity, and Inclusive Society, Intelligent Transportation System, Unmanned Aerial Vehicles, Virtual reality, Internet of Things, Others.

Requirements

- Contributions from all consortium members.
- At least three authors from COST member countries plus others (EU and international) per contribution.
- Female and early stage researchers are strongly encouraged to be involved.

Contribution Format - IEEE Format - Font: Time New Roman; double column; and single line spacing:

- Title – Font Size: 20
- Authors – Names, affiliations and emails - Font size: 11
- Introduction – 300 words + 1 Figure - Font size: 10
- State of the art – 600-700 words + 1 Table and 1 Figure - Font Size: 10
- Challenges and future works + 1 Table + 1 Figure – 400 -500 words - Font size: 10
- Figures: Font size: 10
- Tables: Font Size: 10
- References: Up to 7 – One or two from 2022-23 - Font Size: 9
- Biography:
 - 150 words/author - Font Size: 8
 - Photos

Timeline

- Circulation to all NEWFOCUS members: 1 Nov 2023
- First draft of contributions: 1 March 2024
- 2nd draft of contributions: 1 May 2024
- Final draft of contributions: 15 May 2024
- First draft of White Paper: 15 June 2024
- Final White Paper: 30 June 2024.

MC - NEWFOCUS

25 October 2023