

### **Employing channel probing to derive end-of-life service margins for optical spectrum services**

**Kaeval, Kaida**; Slyne, Frank; Troia, Sebastian; Kenny, Eoin; Grobe, Klaus; Griesser, Helmut; Kilper, Daniel C.; Ruffini, Marco; Pedreno-Manresa, Jose-Juan; Patri, Sai Kireet; **Jervan, Gert** Journal of optical communications and networking 2023 / p. C63-C73 : ill <https://doi.org/10.1364/JOCN.480080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Experimental demonstration of ML-based DWDM system margin estimation**

Müller, Jasper; Slyne, Frank; **Kaeval, Kaida**; Troia, Sebastian; Fehenberger, Tobias; Elbers, Jörg-Peter; Kilper, Daniel C.; Ruffini, Marco; Mas-Machuca, Carmen Optical Fiber Communications Conference and Exhibition, OFC 2023 : Proceedings 2023 / paper Tu2F.2., 3 p. : ill <https://opg.optica.org/abstract.cfm?URI=OFC-2023-Tu2F.2>

### **Exploring service margins for optical spectrum services**

**Kaeval, Kaida**; Slyne, Frank; Troia, Sebastian; Kenny, Eoin; Pedreno-Manresa, Jose-Juan; Patri, Sai Kireet; Grobe, Klaus; Kilper, Daniel C.; Ruffini, Marco; **Jervan, Gert** Proceedings European Conference on Optical Communication (ECOC 2022), 18-22 September 2022, Basel, Switzerland 2022 / art. Mo3B.4, 4 p <https://opg.optica.org/abstract.cfm?uri=ECEOC-2022-Mo3B.4>

### **Model-based service provisioning in optical networks**

Karunakaran, Vignesh; Müller, Jasper; Slyne, Frank; **Kaeval, Kaida**; Troia, Sebastian; Autenrieth, Achim; Kilper, Daniel C.; Bauschert, Thomas; Ruffini, Marco ECOC 2023 : 49th European Conference on Optical Communications, 1-5 October 2023 2024 / p. 1039-1042 <https://doi.org/10.1049/icp.2023.2429> <https://digital-library.theiet.org/docserver/fulltext/cp839/ICP.2023.2429.pdf?expires=1727158709&id=id&acname=guest&checksum=7B52C0279E1600FDE3FC6BCEED8CE4F> [Conference Proceedings at Scopus](#) [Article at Scopus](#)