

Black-box assessment of optical spectrum services

Kaeval, Kaida; Elbers, Jörg-Peter; Grobe, Klaus; Tikas, Marko; Fehenberger, Tobias; Griesser, Helmut; **Jervan, Gert** 2021 Optical Fiber Communications Conference and Exhibition (OFC) : 6-10 June 2021 : San Francisco, CA, USA 2021 / 3 p
<https://ieeexplore.ieee.org/document/9489700>

Channel performance estimations with extended channel probing

Kaeval, Kaida; Griesser, Helmut; Grobe, Klaus; Elbers, Jörg-Peter; Tikas, Marko; **Jervan, Gert** Photonic Networks : 21th ITG-Symposium : 24-25 November 2020 : online 2020 / p. 60-64 <http://d-nb.info/1223037061> <https://ieeexplore.ieee.org/document/9273755>

Estimating quality of transmission in a live production network using machine learning

Müller, Jasper; Fehenberger, Tobias; Patri, Sai Kireet; **Kaeval, Kaida;** Griesser, Helmut; Tikas, Marko; Elbers, Jörg-Peter 2021 Optical Fiber Communications Conference and Exhibition (OFC) : 6-10 June 2021 : San Francisco, CA, USA 2021 / paper Tu1G.2, 3 p <https://ieeexplore.ieee.org/abstract/document/9489940>

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 channel probing to determine coherent optical transponder configurations in a long-haul network

Kaeval, Kaida; Rafique, Danish; Blawat, Kamil; Grobe, Klaus; Griesser, Helmut; Elbers, Jörg-Peter; Rydlichowski, Piotr; Binczewski, Artur; Tikas, Marko 2020 Optical Fiber Communications Conference and Exhibition (OFC) : San Diego, California, USA : 8-12 March 2020 : proceedings 2020 / 3 p <https://ieeexplore.ieee.org/document/9083392>

Machine learning enabled fault-detection algorithms for optical spectrum-as-a-service users

Patri, Sai Kireet; Dick, Isabella; **Kaeval, Kaida;** Müller, Jasper; Pedreno-Manresa, Jose-Juan; Autenrieth, Achim; Elbers, Jörg-Peter; Tikas, Marko; Mas-Machuca, Carmen 2023 International Conference on Optical Network Design and Modeling (ONDM) : proceedings 2023 / 6 p. : ill <https://ieeexplore.ieee.org/document/10144858>

Optical spectrum as a service in multi-operator environments: challenges and enabling technologies for transparent optical overlay networks

Kaeval, Kaida; Grobe, Klaus; Elbers, Jörg-Peter Optical Fiber Communications Conference and Exhibition, OFC 2024 : proceedings 2024 / art. Th1G.3 <https://doi.org/10.1364/OFC.2024.Th1G.3>

QoT assessment of the optical spectrum as a service in disaggregated network scenarios

Kaeval, Kaida; Fehenberger, Tobias; Zou, Jim; Jansen, Sander Lars; Grobe, Klaus; Griesser, Helmut; Elbers, Jörg-Peter; **Tikas, Marko;** **Jervan, Gert** Journal of Optical Communications and Networking 2021 / art. 9436771, p. E1-E12
<https://doi.org/10.1364/JOCN.423530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Service margins for wide-band optical spectrum services implemented in long-haul Raman-enabled networks

Kaeval, Kaida; Patri, Sai Kireet; Pedreno-Manresa, Jose-Juan; Grobe, Klaus; Elbers, Jörg-Peter; Griesser, Helmut; Tikas, Marko; **Jervan, Gert** Optical Fiber Communications Conference and Exhibition, OFC 2023 : Proceedings 2023 / art. W3H.6
<https://doi.org/10.1364/OFC.2023.W3H.6>