

YAMAN PARASHER

Network Testing Expert at EXFO Europe Ltd.

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Summary

Optical Applications Engineer with expertise in network testing throughout deployment, service activation, troubleshooting, and maintenance stages. Collaborates with major ISPs, TSPs, and Hyperscalers across EMEA to support multi-layer network testing, focusing on Optical, Ethernet & Transport technologies. Proven experience in delivering training, conducting proof of concepts (PoCs), and performing validations in field and lab environments for global projects. Skilled in delivering product demos, MOPs, application notes, to effectively communicate technical solutions to customers across all organizational levels.

Experience

EXFO Europe Ltd.

Nov 2021 - Present

Optical Applications Engineer (Network Deployment & Operations Business Unit)

London, UK

- Provides Pre-Sales Technical Expertise on EXFO T&M (Test & Measurement) Optical Product Line
- Delivers Training Sessions on Fibre Optic Test & Measurement Technologies & Solutions to technicians & engineers
- Leads the solution delivery of global projects, collaborating cross-functionally with diverse global teams
- Design and develop SCPI-Python automated testing solutions to streamline and optimise test processes
- Leading the technical requirements for RFQ, RFP & RFIs

Osaka University

Apr 2021 - Aug 2021

Master's Thesis Student

Osaka, Japan

- Designed simplified, low-cost Rx architecture using Fractional Fourier Transform (FrFT) for Optical OFDM systems

National Chung Cheng University

May 2018 - Jul 2018

International Summer Research Intern

Chiayi, Taiwan

- Optimised DBR-based resonant-cavity GeSn photodetector design to enhance optical responsivity

Technical Skills

Languages: Python, SQL, SCPI (Test Units Automation Scripts), VBA & L^AT_EX

Layer 1 (Physical) Test Tools: OTDR (PON/FTTx/Metro/Long Haul), OLTS (Optical Loss Test Set), Optical Power Meters (Broadband, Filtered & Pass-through), Chromatic Dispersion (CD), Polarization Mode Dispersion (PMD), Optical Spectrum Analyzer (OSA), Fibre Inspection, Transceiver (Optics) + Cables (AOC, DAC) Validation & Sanity Check

Ethernet & Transport Layer Test Tools: RFC 2544, ITU-T Y.1564 (EtherSAM) Test, EtherBERT, RFC 6349, Carrier Ethernet OAM (CFM & ITU-T Y.1731), Smart Loopback, Wireshark, & Traffic generation and Monitoring test

Networking : Knowledge of installation, commissioning, and maintenance of different network devices and optical transmission systems/DWDM (Nokia PSS 1830 and Cisco NCS 2006/2015), Understanding of TCP/IP, IPv4/v6, VLANs, Trunking, ACLs, OSPF, BGP, MPLS, RSVP, LDP, NAT, DHCP, NTP, REST APIs Development & Testing (Postman)

Research: Published 13 highly cited [research papers](#) (139 total citations) on topics related to Optical Communication, Photonics, Machine Learning, IoT, and Green Technologies in peer-reviewed journals, books, and international conferences

Education

Aston University(UK) & Scuola Superiore Sant'Anna(IT)

Sep. 2019 – Sep. 2021

Erasmus Mundus Joint Master Degree in Photonic Integrated Circuits, Sensors & Networks

Distinction

Achievements

- Awarded fully funded [Erasmus Mundus Joint Master Degree Scholarship in Photonic Integrated Circuits, Sensors and Networks \(PIXNET\)](#) from the European Union.
- Merit Certificate from [Central Board of Secondary Education \(CBSE\)](#) & [Kendriya Vidyalaya Sangathan \(KVS\)](#) for being in the top **0.1%** among **1,000,000** candidates in the All India Secondary School Examination (Class X) 2010 across the whole of India.
- Chosen for EXFO's High Potential (HiPo) Individual Program in recognition of leadership potential and outstanding performance in the Network Deployment & Operations Business Unit.