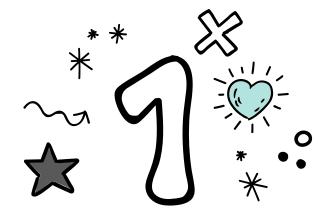
Optical Fiber Networks

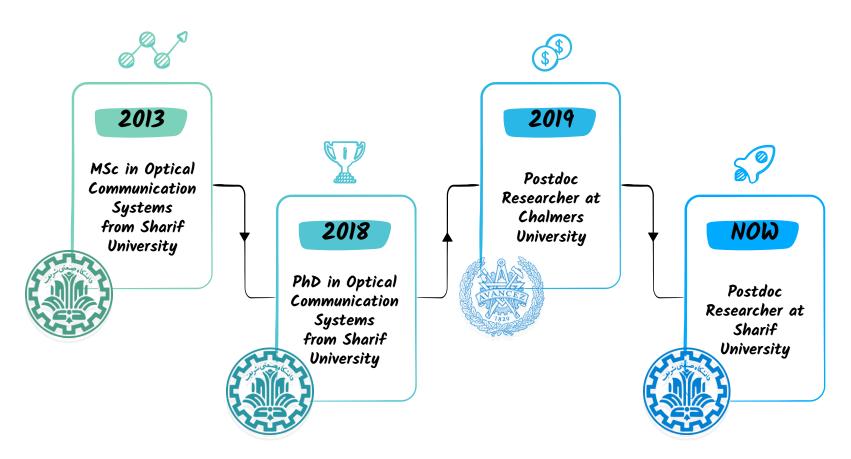
Mohammad Hadi Sharif University of Technology



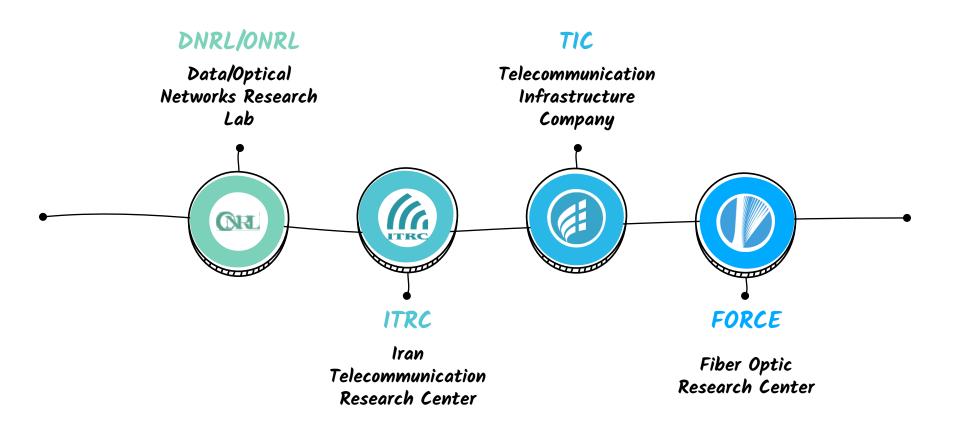


Biography

Recent Academic Positions



Recent Industrial Collaborations



Recent Achievements



















Outstanding PhD Researcher



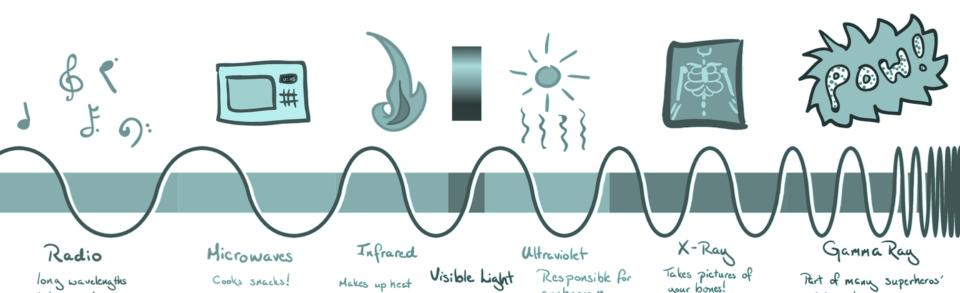




Research Funding



Introduction



All the colors of the

rainbow - what we see

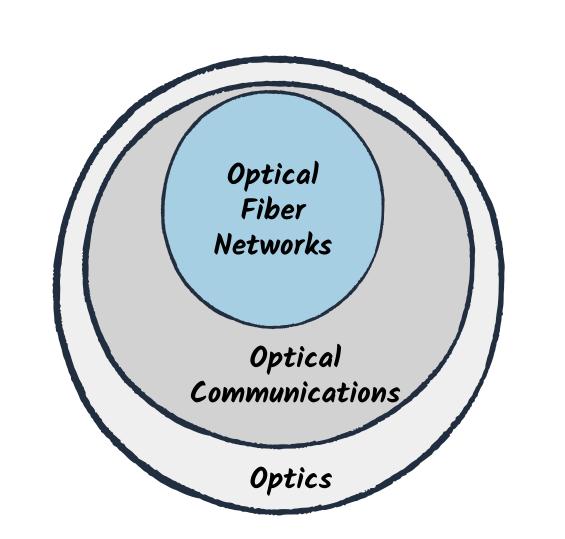
that are used

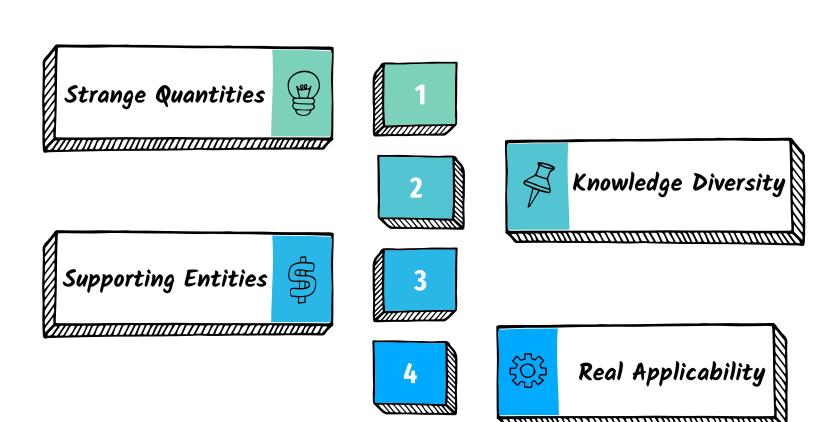
for radio stations

sunburns :

your bones!

origin stones -like the Incredible Hulk!

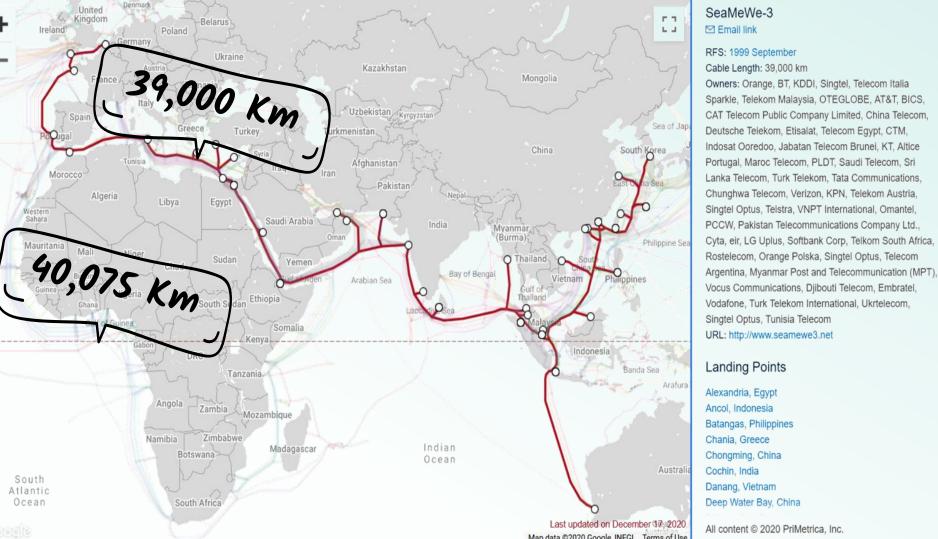




Strange Quantities







SeaMeWe-3

RFS: 1999 September

Cable Length: 39,000 km

Owners: Orange, BT, KDDI, Singtel, Telecom Italia

Sparkle, Telekom Malaysia, OTEGLOBE, AT&T, BICS,

CAT Telecom Public Company Limited, China Telecom, Deutsche Telekom, Etisalat, Telecom Egypt, CTM,

Indosat Ooredoo, Jabatan Telecom Brunei, KT, Altice Portugal, Maroc Telecom, PLDT, Saudi Telecom, Sri

Lanka Telecom, Turk Telekom, Tata Communications, Chunghwa Telecom, Verizon, KPN, Telekom Austria,

Singtel Optus, Telstra, VNPT International, Omantel, PCCW, Pakistan Telecommunications Company Ltd., Cyta, eir, LG Uplus, Softbank Corp, Telkom South Africa,

Vocus Communications, Djibouti Telecom, Embratel, Vodafone, Turk Telekom International, Ukrtelecom, Singtel Optus, Tunisia Telecom

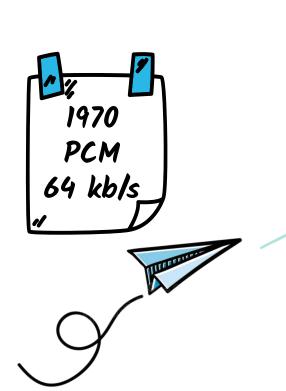
Landing Points

Alexandria, Egypt Ancol, Indonesia Batangas, Philippines

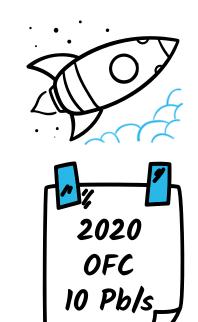
Chania, Greece Chongming, China Cochin, India

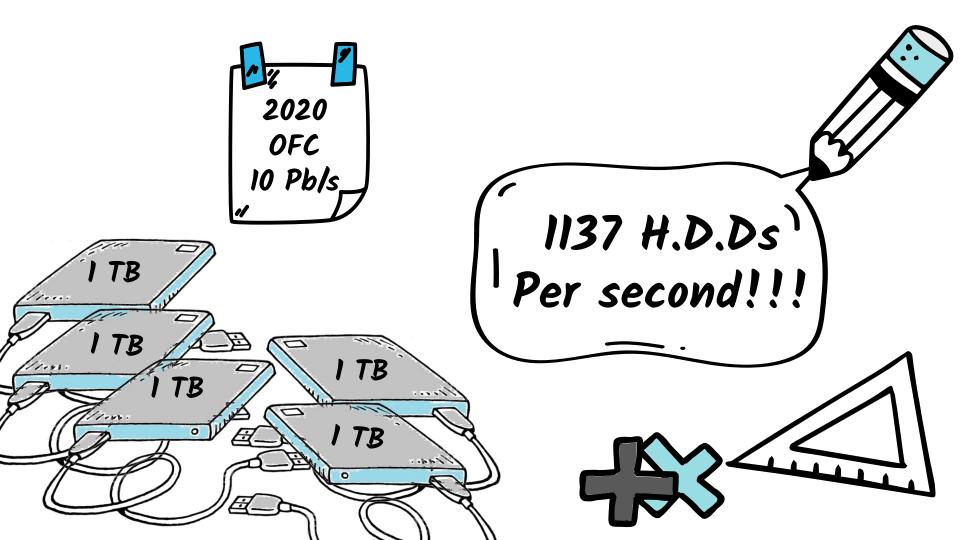
Danang, Vietnam Deep Water Bay, China

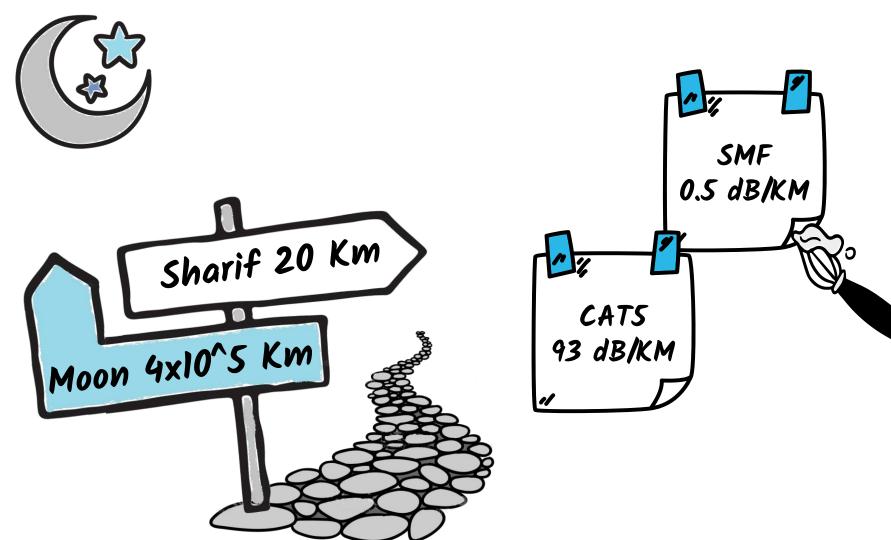
All content @ 2020 PriMetrica, Inc.





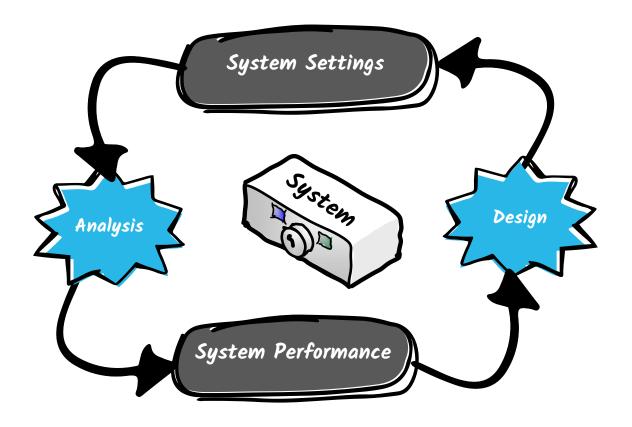






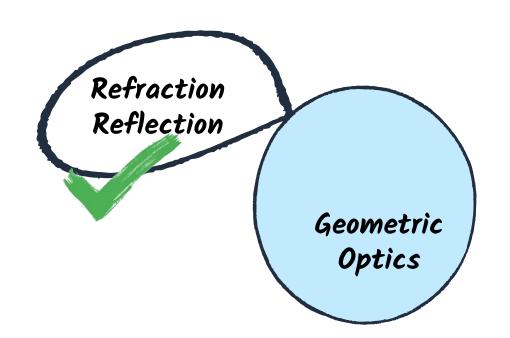
Knowledge Diversity

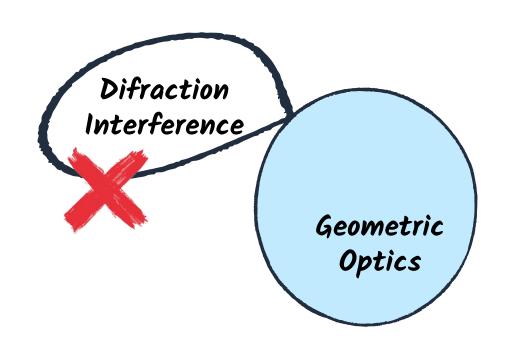


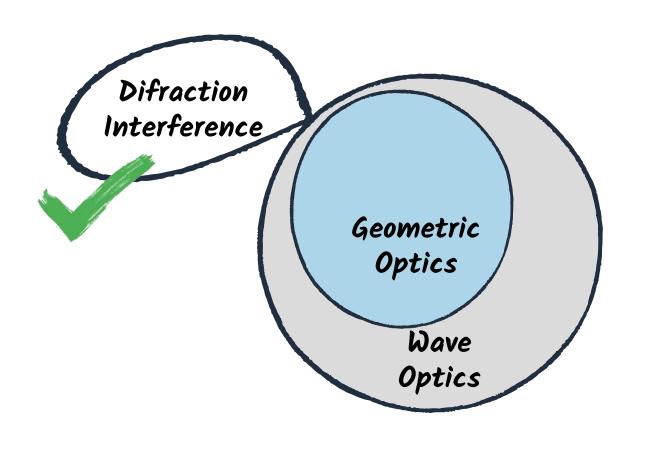


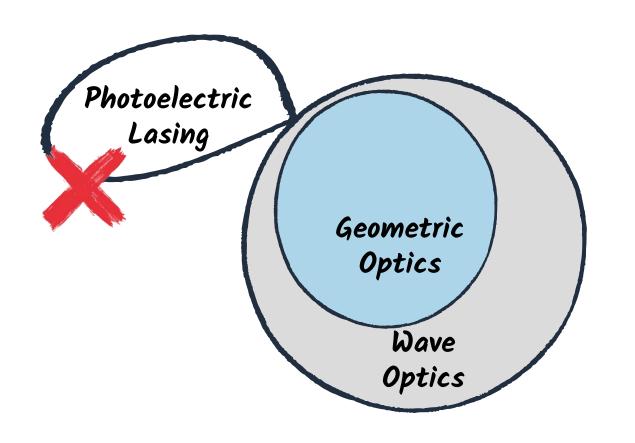
Note:

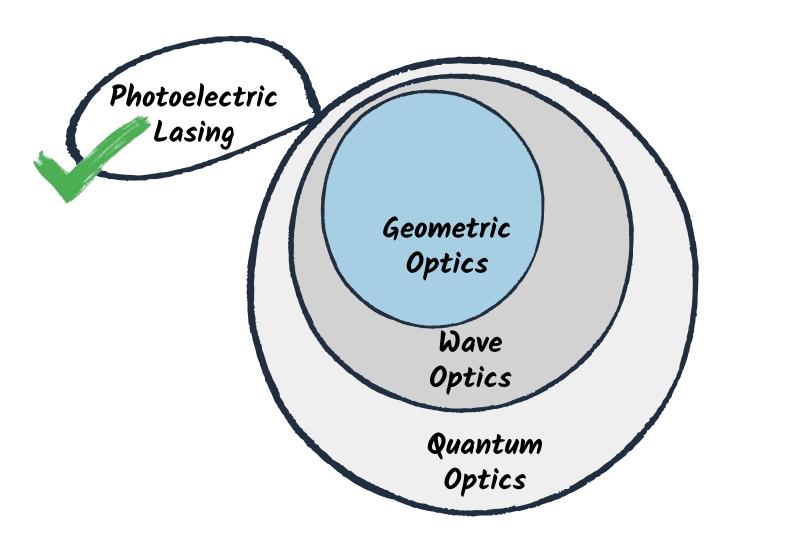
Design addresses implementation and Configuration!!!

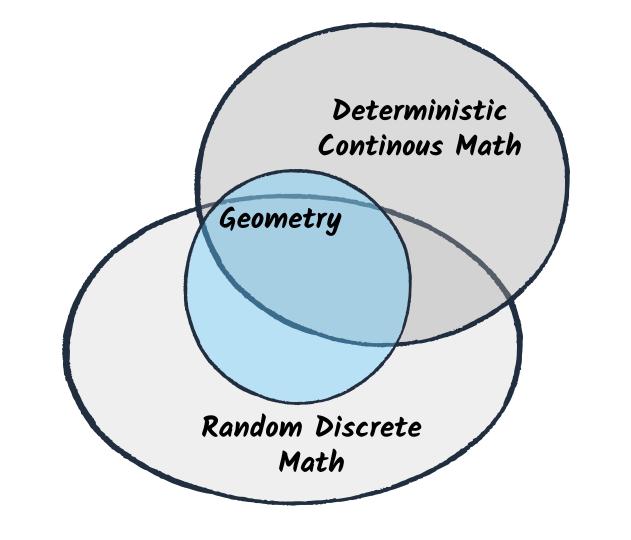


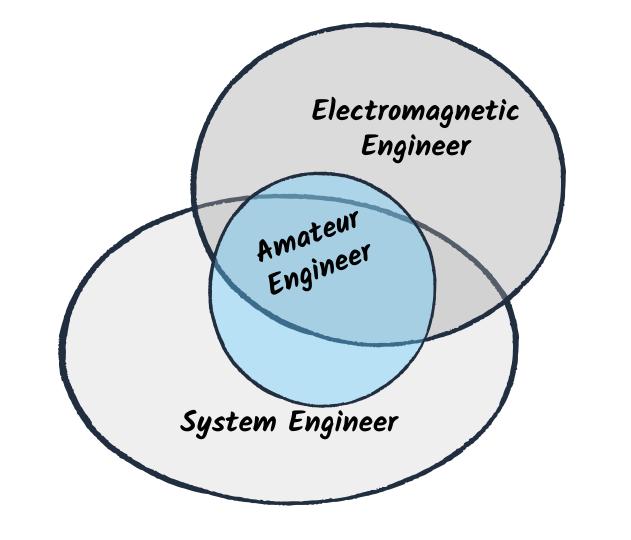


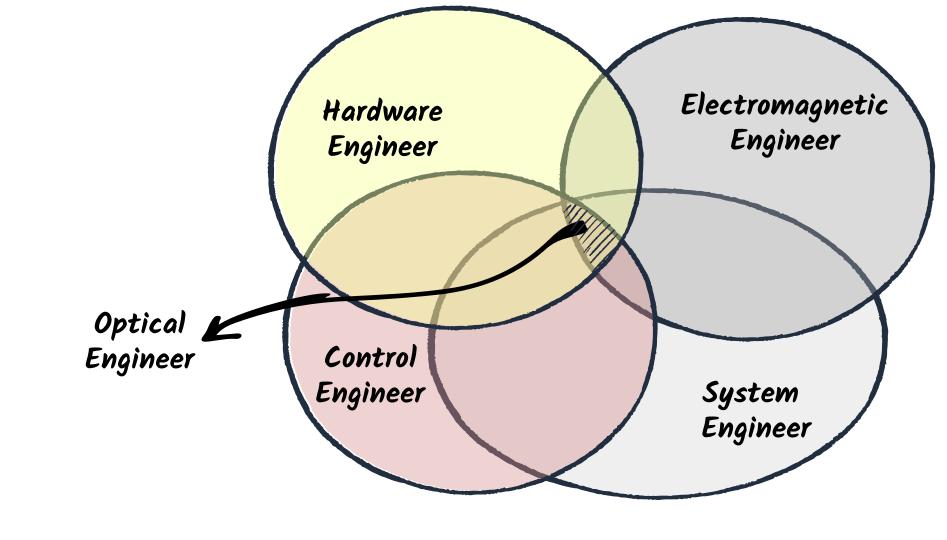






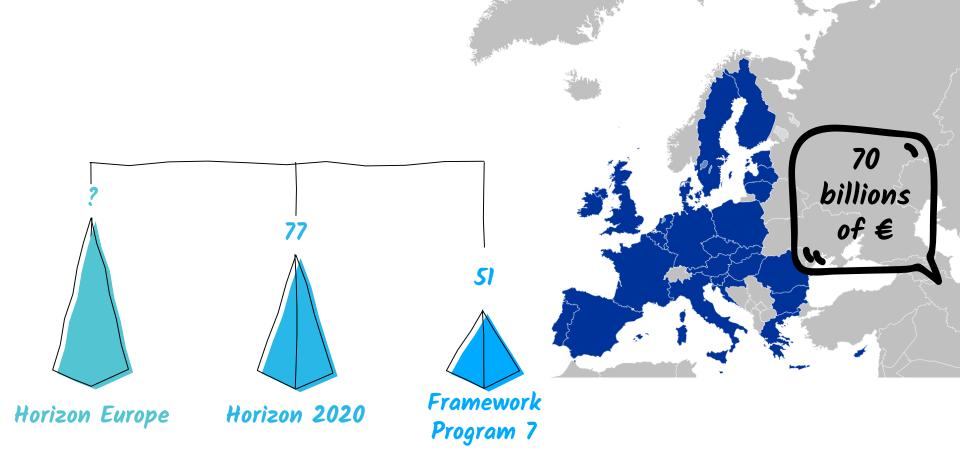


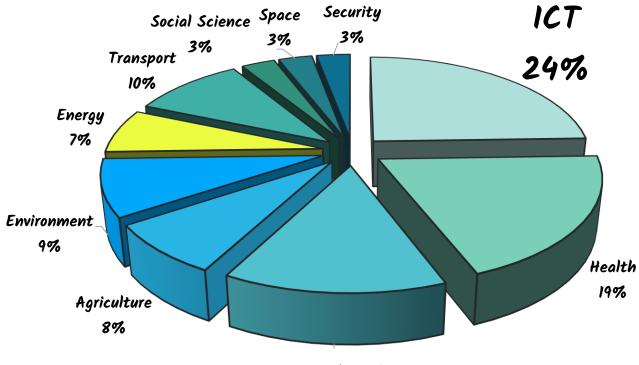






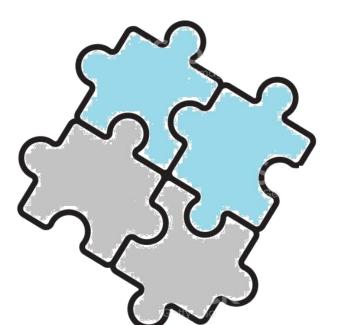
Supporting Entities





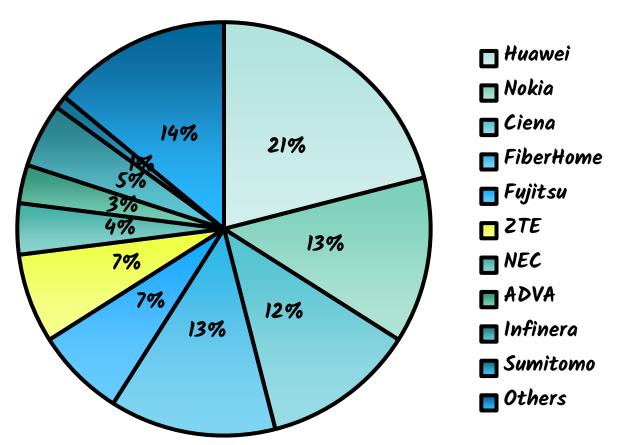
Materials 14%

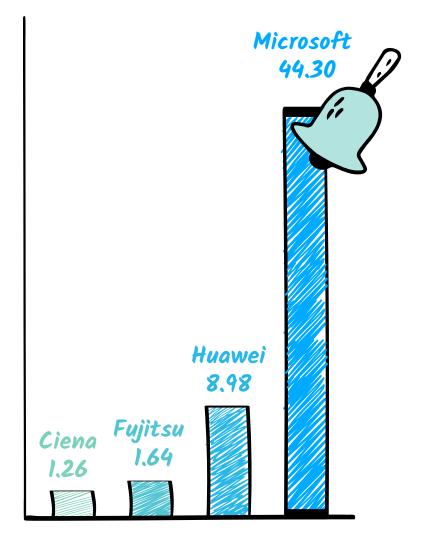






Market Share









IEEE Photonics Journal

OSA

Optics Express

OSA

Optics Letters

IEEE/OSA

IEEE/OSA Journal of Lightwave Technology

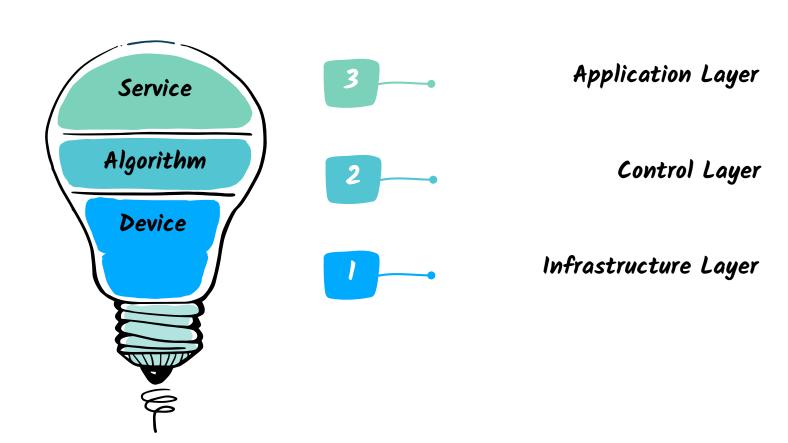
OSA/IEEE

OSA/IEEE Journal of Optical Communications and **NEtworking**





Real Applicability



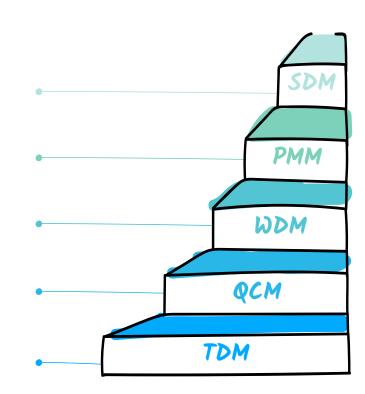
Space Division Multiplexing

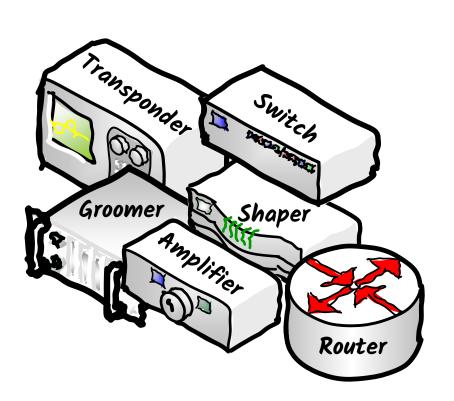
Polarization Mode Multiplexing

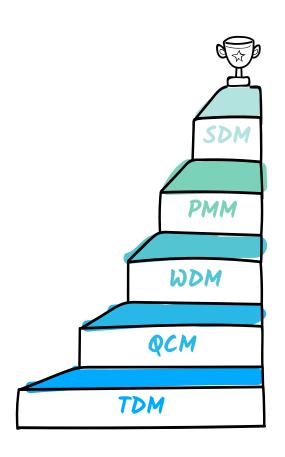
Wavelength Division Multiplexing

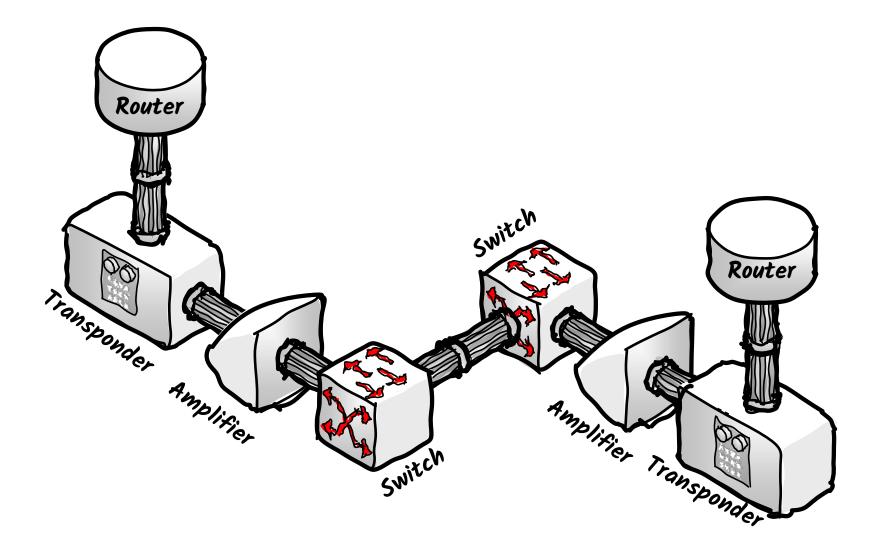
Quadrature Component Multiplexing

Time Division Multiplexing

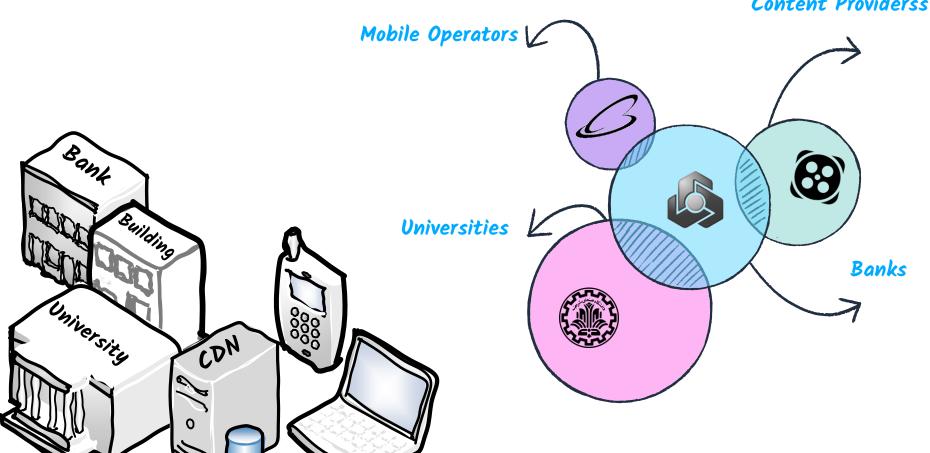


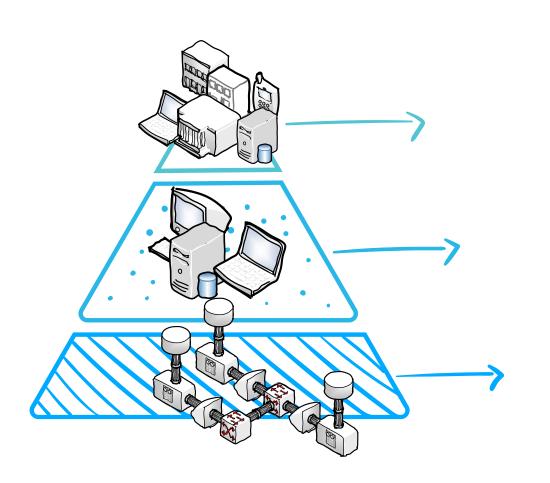






Content Providerss





Aplication

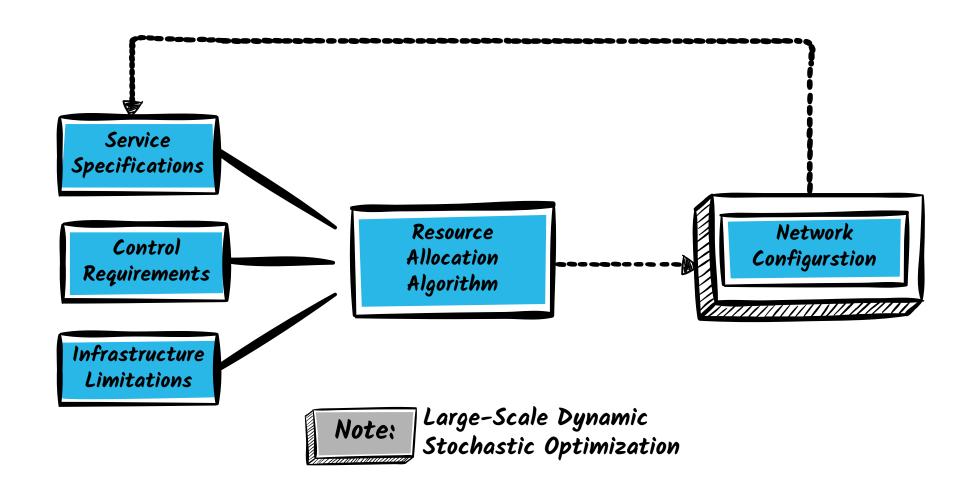
Services

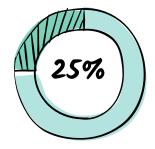
Control

Algorithms

Infrastructure

Devices





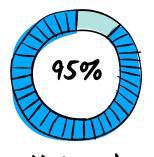
Available Spectrum



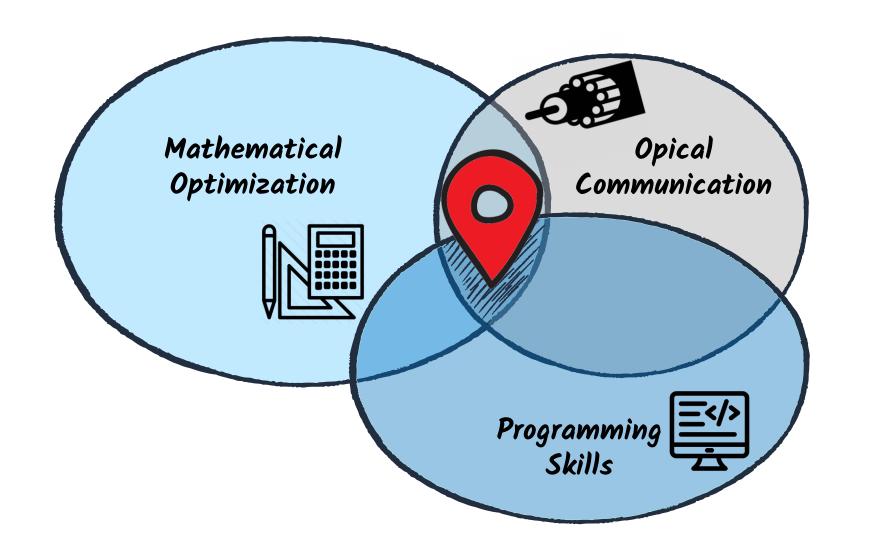
Power Consumption



Operational Expenditures



Network Capacity





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https://scholar.google.com/cit ations?user=7kySgwkAAAAJ &hl=en



https://www.linkedin.com/in/ mohammad-hadi-305a69102/



Optical Fiber Networks

Mohammad Hadi Sharif University of Technology

