

Best Readings in Broadband Access -

Topics

- [Digital Subscriber Line](#)
- [TDMA-PON](#)
- [TWDM-PON](#)
- [WDM-PON](#)
- [OFDM-PON](#)
- [Opto-electronics for access](#)
- [Wireless access](#)

The subject of broadband access covers a surprisingly wide range of technologies, and spans several decades of intensive research by groups from all over the world. This “best readings” list attempts to compile a set of references to technical papers, survey papers, and books that cover this field. This should be useful to individuals who are just getting started in their work in broadband access, and for those who want to get a wider perspective of their field. Of course, any such list cannot at the same time be concise and entirely complete; therefore, the authors would suggest that this list can serve as a launching point for research in the field. There is surely more out there!

The major areas covered here are digital subscriber line (DSL), passive optical network (PON), and wireless technologies. Within the DSL topic, there are specializations on modulation and coding, dynamic spectrum management, crosstalk cancellation, multi-wire techniques, and test and measurement. Within the PON topic, there are specializations on TDMA, TWDM, WDM, and OFDM techniques, as well as a review of key optoelectronic devices. The wireless topic includes WiMax, mobile, satellite, and heterogeneous networks.

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For questions or comment click [here](#). **Issued August 2012**

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