

Literature, week 3

- Compulsory

Connectivity and other networks

- Video: *Connecting to the Internet* at <https://play.dsv.su.se/hypercaster/8728/width=640/height=360/link.js>
- Video: *Andrew Blum's TED talk on how physical Internet is* at http://archive.org/details/AndrewBlum_2012G
- Map: *Interactive submarine cables map* at <http://www.submarinecablemap.com/>
- Video: *Other networks and wireless access* at <https://play.dsv.su.se/hypercaster/8734/width=640/height=360/link.js>
- Text: *Teracom tutorial on PSTN* at <http://www.telecommunications-tutorials.com/tutorial-PSTN.htm>
- Video: *The difference between local loop Internet access with DSL and with modem* at <http://www.youtube.com/watch?v=ml6Uh6D3NvA>
- Video: *Ultrafast broadband in New Zealand and differences between copper and fibre* at <http://www.youtube.com/watch?v=CbtJZT8FYCM>
- Text: Aaron Balshunas, *Cable and DSL technologies* at http://www.routeralley.com/ra/docs/cable_dsl.pdf
- Text: *ICT policy, a beginners handbook* (pp. 23-36) at http://www.apc.org/en/system/files/policy_handbook_EN.pdf (pages 9-73)
- Text: *Cellular Communications* at <http://www.eng.iastate.edu/ee423/EE421/Lecture/cellcommtutorial.pdf>
- Video: *Growth of different mobile communications generations* at <http://www.mydroid.apnafundaz.com/2010/07/5growth-of-mobile-communications-different-generations/>
- Video: *Khoun Community Radio* at <http://www.youtube.com/watch?v=al44OkX0u70>
- Text: *Community radio handbook* at <http://www.unesco.org/new/en/communication-and-information/resources/publications-and-communication-materials/publications/full-list/community-radio-handbook/>, pp. 25-44

Wireless technologies

- Text: *Spectrum for development* at <http://www.apc.org/en/spectrum/pubs/issue/openaccess/spectrum-development>
- Video: APC series of videos on *A new proposed open spectrum*, parts 2-5 at <http://www.apc.org/en/spectrum/news/have-you-watched-our-videos-spectrum-development-v>
- Text: *Comparative Analysis of Last Mile Broadband Access Technologies (Wi-Fi and WiMax)* at http://www.akamaiuniversity.us/PJST10_1_280.pdf
- Text: *Sensor networks for development* at <http://www.tik.ee.ethz.ch/~marcoz/pubs/witfor07.pdf>
- Video: *VSAT connectivity concept* at <http://www.youtube.com/watch?v=s4e-iD5maXU>
- Text: Eric Brewer, *Technology insight for rural connectivity* at <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.114.2034&rep=rep1&type=pdf>

Affordable devices and sharing

- Video: *Talk on OLPC*, by Nicholas Negroponte from 2007 at http://www.ted.com/talks/nicholas_negroponte_on_one_laptop_per_child_two_years_on.html
- Video: *Review on OLPC XO-1 laptop* at <http://www.youtube.com/watch?v=nhPQ49Pwplc>
- Video: *About wiki reader* at http://www.youtube.com/watch?v=okkhi_GnI8k
- Video: *TED talk on bridging digital divide with RIA* at http://www.ted.com/talks/aleph_molinari_let_s_bridge_the_digital_divide.html
- Text: *Critical view of the OLPC project* at <http://www.ime.usp.br/~vwsetzer/OLPC-WMSCI.pdf>
- Text: *Sharing mechanisms for information technology in developing countries, social capital and quality of life* at <http://link.springer.com/content/pdf/10.1007%2Fs11205-008-9335-3.pdf>
- Text: *Optimizing Internet Bandwidth in Higher Learning Institutions: A case of Sokoine University of Agriculture* at <http://www.ijcir.org/volume4-number2/article3.pdf>

- Additional
 - Text: *Chapter 2* from the book edited by George Sadowsky at <http://public.webfoundation.org/publications/accelerating-development/Accelerating%20Development%20Using%20the%20Web.pdf>
 - Video: *Mobile community radio* at <http://tedxtalks.ted.com/video/TEDxCapeTown-Martin-Tai-Lyhne-2;search%3Atag%3A%22technology%22>
 - Text: *Can Internet overcome the natural geographical barriers of Bhutan in developing countries?* at <http://ijedict.dec.uwi.edu/viewarticle.php?id=577&layout=html>
 - Text: *Framework for designing telecentres* at <http://www.unapcict.org/ecohub/resources/a-framework-for-designing-telecentres>
 - Text: *Village cell: Cost effective cellular connectivity in rural areas* at <http://www.cs.ucsb.edu/~veljko/docs/VillageCellICTDposter>
 - Text: *Updated guide to low-cost educational ICT devices* at <http://www.infodev.org/en/Publication.891.html>
 - Text: *Broadband strategies handbook* at <http://broadbandtoolkit.org/Custom/Core/Documents/Broadband%20Strategies%20Handbook.pdf>
 - Text: *Open access: Lowering the cost of international bandwidth in Africa* at <http://www.apc.org/en/pubs/issue/openaccess/africa/open-access-lowering-costs-international-bandwidth>
 - Text: *Grameen phone project* at <http://www.t-forum.org/mausklick/background/Grameenfinalreport.pdf>
 - Text: *Simputer as a Platform for ICT Education in Tanzania* at <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=1357741>
 - Text: *Meet the Raspberry Pi* at http://www.google.se/books?hl=en&lr=&id=C0bZSmKnRK4C&oi=fnd&pg=PT8&dq=Raspberry+Pi+computer&ots=LkxRP4W6ym&sig=QHptDD-YS8S-xUCh06NMGHVmeHQ&redir_esc=y
 - Text: *Optimizing Internet Bandwidth in Developing Country Higher Education* at http://www.inasp.info/uploads/filer_public/2013/03/11/optimising_internet_bandwidth_report.pdf

- Text: *Bandwidth management in universities in Zimbabwe: Towards a responsible user base through effective policy implementation* at <http://ijedict.dec.uwi.edu/include/getdoc.php?id=5207&article=1432&mode=pdf>
- Video: *How to get the cheapest satellite Internet service* at http://www.youtube.com/watch?v=CKe_Ge6B43I -