

Links/Resources For Huether Presentation

Engineering a Better World

Misc. ethics/case studies/ world statistics

<http://www.onlineethics.org/>

<http://www.youtube.com/watch?v=0TVxG4zhH3g&feature=youtu.be>

<http://engineeringfailures.org/>

<http://www.onlineethics.org/Resources/Cases/persistent.aspx>

<http://www.civeng.carleton.ca/ECL/>

<http://www.worldometers.info/>

modified food

http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=232&id=232

micronutrients

http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=313&id=313

national center for case studies

<http://sciencecases.lib.buffalo.edu/cs/about/>

correct units

http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=418&id=418

water issues

http://sciencecases.lib.buffalo.edu/cs/collection/detail.asp?case_id=219&id=219

<http://www.globalissues.org/article/601/water-and-development#CocaColavsIndianFarmersLuxuryvsNecessity>

<http://water.org/water-crisis/water-facts/water/>

http://www.teaching.iub.edu/wrapper_big.php?section_id=case

National Academies Press (great resource for information, free book downloads from the National Academy of Engineering, National Research Council, etc.)

<http://www.nap.edu/>

http://books.nap.edu/download.php?record_id=12887 ENGINEERING, SOCIAL JUSTICE, AND SUSTAINABLE COMMUNITY DEVELOPMENT

Challenger failure

http://www.tech.plym.ac.uk/sme/interactive_resources/tutorials/FailureCases/index.html

Tacoma Narrows

http://www.tech.plym.ac.uk/sme/interactive_resources/tutorials/FailureCases/index.html

Appropriate Technology

<http://scholar.lib.vt.edu/ejournals/JOTS/Winter-Spring-2000/akabue.html>

http://www.its.caltech.edu/~e105/readings/cases/improved_stoves-el_salvador.pdf

<http://inhabitat.com/video-worldbikes-big-boda-transport-cargo-and-improves-lives/>

<http://www.who.int/heli/en/>

<http://d-lab.mit.edu/creative-capacity-building>

Life Cycle Analysis

<http://www.unep.org/resourceefficiency/Consumption/StandardsandLabels/MeasuringSustainability/LifeCycleAssessment/tabid/101348/Default.aspx>

<http://www.nrel.gov/lci/>

Energy Issues

<http://ehs.sph.berkeley.edu/ksmith/publications/2010/poor-peoples-energy-outlook.pdf>

<http://10unsolvables.org/archives/gallery/problems-2>

<http://www.iea.org/>

Clean cookstoves

http://www.treeswaterpeople.org/learn_more/resources/resources.html

Artificial Limbs/ Prosthetics

<http://www.standingwithhope.com/>

<http://www.oandp.org/publications/resident/pdf/DevelopingCountries.pdf>

http://www.oandp.com/articles/2011-05_03.asp

<http://www.youtube.com/watch?v=hvx2Vhx3VPw>

Fall Issue of The Bridge (NAE) on the Convergence of Engineering and the Life Sciences

<http://www.nae.edu/Publications/Bridge/88361.aspx>

Engineering Design Resources

<http://www.teachengineering.org/>

<http://www.tryengineering.org/>

Stanford's d-school educator resources

<http://www.k12lab.org/>