

EE1040: Principles of Sustainable Engineering

View Online



```
@book{Allen_Shonnard_2012a, address={Upper Saddle River, N.J.}, title={Sustainable Engineering: Concepts, Design, and Case Studies}, publisher={Prentice Hall}, author={Allen, David T. and Shonnard, David}, year={2012} }
```

```
@book{Allen_Shonnard_2012b, address={Upper Saddle River, NJ}, title={Sustainable Engineering: Concepts, Design, and Case Studies}, url={https://learning.oreilly.com/library/view/-/9780132756563/?ar}, publisher={Prentice Hall}, author={Allen, David T. and Shonnard, David}, year={2012} }
```

```
@book{Allen_Shonnard_2012c, address={Upper Saddle River, N.J.}, title={Sustainable engineering: concepts, design, and case studies}, publisher={Prentice Hall}, author={Allen, David T. and Shonnard, David}, year={2012} }
```

```
@book{Allen_Shonnard_2012d, address={Upper Saddle River, NJ}, title={Sustainable Engineering: Concepts, Design, and Case Studies}, url={https://learning.oreilly.com/library/view/-/9780132756563/?ar}, publisher={Prentice Hall}, author={Allen, David T. and Shonnard, David}, year={2012} }
```

```
@book{Azapagic_Perdan_2011a, address={Chichester}, edition={Second edition}, title={Sustainable development in practice: case studies for engineers and scientists}, publisher={Wiley-Blackwell}, author={Azapagic, Adisa and Perdan, Slobodan}, year={2011} }
```

```
@book{Azapagic_Perdan_2011b, address={Oxford}, edition={2nd ed}, title={Sustainable Development in Practice: Case Studies for Engineers and Scientists}, url={https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=624644}, publisher={Wiley-Blackwell}, author={Azapagic, Adisa and Perdan, Slobodan}, year={2011} }
```

```
@misc{Brooks_2010, title={Demand dispatch: Using real-time control of demand to help balance generation and load}, url={https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5452801}, journal={IEEE Power and Energy magazine}, author={Brooks, Alec}, year={2010} }
```

```
@article{Caravanos_Clark_Fuller_Lambertson_2011, title={Assessing Worker and Environmental Chemical Exposure Risks at an e-Waste Recycling and Disposal Site in Accra, Ghana}, volume={1}, DOI={10.5696/jhp.v1i1.22}, number={1}, journal={Journal of Health and Pollution}, author={Caravanos, Jack and Clark, Edith and Fuller, Richard and Lambertson, Calah}, year={2011}, pages={16-25} }
```

@article{Danaei_Vander Hoorn_Lopez_Murray_Ezzati_2005, title={Causes of Cancer in the World: Comparative Risk Assessment of Nine Behavioural and Environmental Risk Factors}, volume={366}, DOI={10.1016/S0140-6736(05)67725-2}, number={9499}, journal={The Lancet}, author={Danaei, Goodarz and Vander Hoorn, Stephen and Lopez, Alan D and Murray, Christopher JL and Ezzati, Majid}, year={2005}, pages={1784-1793} }

@misc{2014a, title={The Government's response to the MacKay-Stone report: Potential greenhouse gas emissions associated with shale gas extraction and use - GOV.UK}, url={https://www.gov.uk/government/publications/the-governments-response-to-the-mackay-stone-report-potential-greenhouse-gas-emissions-associated-with-shale-gas-extraction-and-use}, author={Department of Energy and Climate Change}, year={2014} }

@article{Dolk_Vrijheid_Armstrong_Abramsky_Bianchi_Garne_Nelen_Robert_Scott_Stone_et al._1998, title={Risk of Congenital Anomalies Near Hazardous-Waste Landfill Sites in Europe: The EUROHAZCON Study}, volume={352}, DOI={10.1016/S0140-6736(98)01352-X}, number={9126}, journal={The Lancet}, author={Dolk, H. and Vrijheid, M. and Armstrong, B. and Abramsky, L. and Bianchi, F. and Garne, E. and Nelen, V. and Robert, E. and Scott, J. E. S. and Stone, D. and Tenconi, R.}, year={1998}, pages={423-427} }

@article{Ellison_Greaves_Hensher_2013, title={Five years of London's low emission zone: Effects on vehicle fleet composition and air quality}, volume={23}, DOI={10.1016/j.trd.2013.03.010}, journal={Transportation Research Part D: Transport and Environment}, author={Ellison, Richard B. and Greaves, Stephen P. and Hensher, David A.}, year={2013}, month={Aug}, pages={25-33} }

@misc{ title={Guidance on sustainability for the engineering profession}, url={https://www.engc.org.uk/EngCDocuments/Internet/Website/Guidance%20on%20Sustainability.pdf}, author={Engineering council} }

@misc{2016, title={Hydraulic fracturing for oil and gas: Impacts from the Hydraulic fracturing water cycle on drinking water resources in the united states.}, url={https://www.epa.gov/sites/production/files/2016-12/documents/hfdwa_executive_summary.pdf}, author={EPA}, year={2016} }

@article{Farhangi_2010, title={The Path of the Smart Grid}, volume={8}, DOI={10.1109/MPE.2009.934876}, number={1}, journal={IEEE Power and Energy Magazine}, author={Farhangi, H.}, year={2010}, pages={18-28} }

@misc{Forestry Commission_2018, title={Hampshire Rural Pathfinder Project: Environmental Impact Assessment:}, url={http://www.hlsnewforest.org.uk/app/uploads/sites/3/2018/03/Environmental_Impact_Assessment_Report.pdf}, author={Forestry Commission}, year={2018} }

@article{Goldberg_2010, title={Measure Twice, Cut Once}, volume={8}, DOI={10.1109/MPE.2010.936351}, number={3}, journal={IEEE Power and Energy Magazine}, author={Goldberg, Miriam}, year={2010}, pages={46-54} }

@article{Hatziargyriou_Asano_Iravani_Marnay_2007, title={Microgrids}, volume={5}, DOI={10.1109/MPAE.2007.376583}, number={4}, journal={IEEE Power and Energy

Magazine}, author={Hatziargyriou, Nikos and Asano, Hiroshi and Iravani, Reza and Marnay, Chris}, year={2007}, pages={78-94} }

@article{Hernando_Mezcua_Fernandezalba_Barcelo_2006, title={Environmental Risk Assessment of Pharmaceutical Residues in Wastewater Effluents, Surface Waters and Sediments}, volume={69}, DOI={10.1016/j.talanta.2005.09.037}, number={2}, journal={Talanta}, author={Hernando, M. and Mezcua, M. and Fernandezalba, A. and Barcelo, D.}, year={2006}, pages={334-342} }

@misc{2005a, title={Securing the future delivering UK sustainable development strategy}, url={https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/69412/pb10589-securing-the-future-050307.pdf}, author={HM Government}, year={2005} }

@article{Jones_2001, title={An Environmental Risk Assessment/Management Framework for Climate Change Impact Assessments}, volume={23}, DOI={10.1023/A:1011148019213}, number={2/3}, journal={Natural Hazards}, author={Jones, Roger N.}, year={2001}, pages={197-230} }

@misc{2005b, title={Environmental Statement: Non technical summary}, url={https://web.archive.org/web/20200227020913/https://www.londonarray.com/downloads/Non-technical-summary.pdf}, author={London Array Limited}, year={2005} }

@misc{ title={Driving away from diesel: reducing air pollution from diesel vehicles.}, url={https://www.london.gov.uk/sites/default/files/Driving%20Away%20from%20Diesel%20final%20report.pdf}, author={London assembly environment committee} }

@misc{Montalbo_Gregory_Kirchain_2011, title={Life Cycle Assessment of Hand Drying System}, url={https://web.archive.org/web/20181223152927/http://environmental-management.ca/ca/LCA_MIT_Hand-Dryers_2011.pdf}, author={Montalbo, Trisha and Gregory, Jeremy and Kirchain, Randolph}, year={2011} }

@article{Perlaviciute_Schuitema_Devine-Wright_Ram_2018, title={At the Heart of a Sustainable Energy Transition: The Public Acceptability of Energy Projects}, volume={16}, DOI={10.1109/MPE.2017.2759918}, number={1}, journal={IEEE Power and Energy Magazine}, author={Perlaviciute, Goda and Schuitema, Geertje and Devine-Wright, Patrick and Ram, Bonnie}, year={2018}, pages={49-55} }

@misc{2014b, title={Review of the potential public health impacts of exposures to chemical and radioactive pollutants as a result of the Shale Gas Extraction Process}, url={https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/332837/PHE-CRCE-009_3-7-14.pdf}, author={Public Health England}, year={2014} }

@misc{2005c, title={Engineering for sustainable development: Guiding principles}, url={https://www.raeng.org.uk/publications/reports/engineering-for-sustainable-development}, author={The royal academy of Engineering}, year={2005} }

@misc{2010, title={Engineering: issues, challenges and opportunities for development},

url={ <http://unesdoc.unesco.org/images/0018/001897/189753e.pdf> }, author={ UNESCO },
year={ 2010 } }

@misc{Potential greenhouse gas emissions associated with shale gas production and use
- GOV.UK,
url={ <https://www.gov.uk/government/publications/potential-greenhouse-gas-emissions-associated-with-shale-gas-production-and-use> } }