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Digitizing Engineering Senior Design Project Reports

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Digitizing Engineering Senior Design Projects Reports

Florence Mugambi, MLIS
2014 ASEE/ELD Annual Conference Program
Indianapolis, Indiana – June 16
Process

• Scanning - Title Page, Abstract, Table of Contents and List of Illustrations if available.

• Upload into IPFW institutional Repository OPUS
  (http://opus.ipfw.edu/etcs_capstoneproj/)
Page Hits

• Downloads and Metadata Page Hits for 2010-Oct through present for 841 Computer and Electrical Engineering Technology & Information Systems and Technology Senior Design Projects – 38,910

Top hits

– Autonomous Firefighting Robot Project: A Design and Analysis Report -- 1,191
– Construction of a Digital Multimeter – 1,046
Page Hits

- Downloads and Metadata Page Hits for 2011-March through present for 269 Manufacturing & Construction Engineering Technology and Interior Design Senior Design Projects – 20,098

*Top hits*

- Honey House Layout -- 759
- Pick and Place Robot -- 669
Page Hits

• Downloads and Metadata Page Hits for 2013-Oct through present for 58 Engineering Senior Design Projects – 2,059

Top hits

– Field Data Acquisition Unit -- 214
– Implementation of a Real-Time Spectrum Analyzer -- 112
Comparison – Faculty Publications

• Downloads and Metadata Page Hits for 2010-March through present for 205 Engineering Faculty Publications – 4,847
  
  Top hits
  
  – UWB-FSK: Performance Tradeoffs for High-complexity Receivers – 289
  
  – Inorganic Fouling of Pressure-Driven Membrane Processes - A Critical Review -- 248
Page hits – meaningful metric?

- Hits analytics