

## ELEN060-2: Source coding, data compression and channel coding

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### I. IMPLEMENTATION

#### A. Binary Huffman Code

#### B. On-Line Lempel-Ziv Encoding

#### C. Comparison of the Lempel-Ziv Algorithms

#### D. LZ77 Algorithm

### II. SOURCE CODING AND REVERSIBLE (LOSSLESS) DATA COMPRESSION

#### A. Display of Images and analysis of files

#### B. Estimation of the Marginal Probability Distribution of all Symbols from the PNG and Corresponding Huffman Code

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