

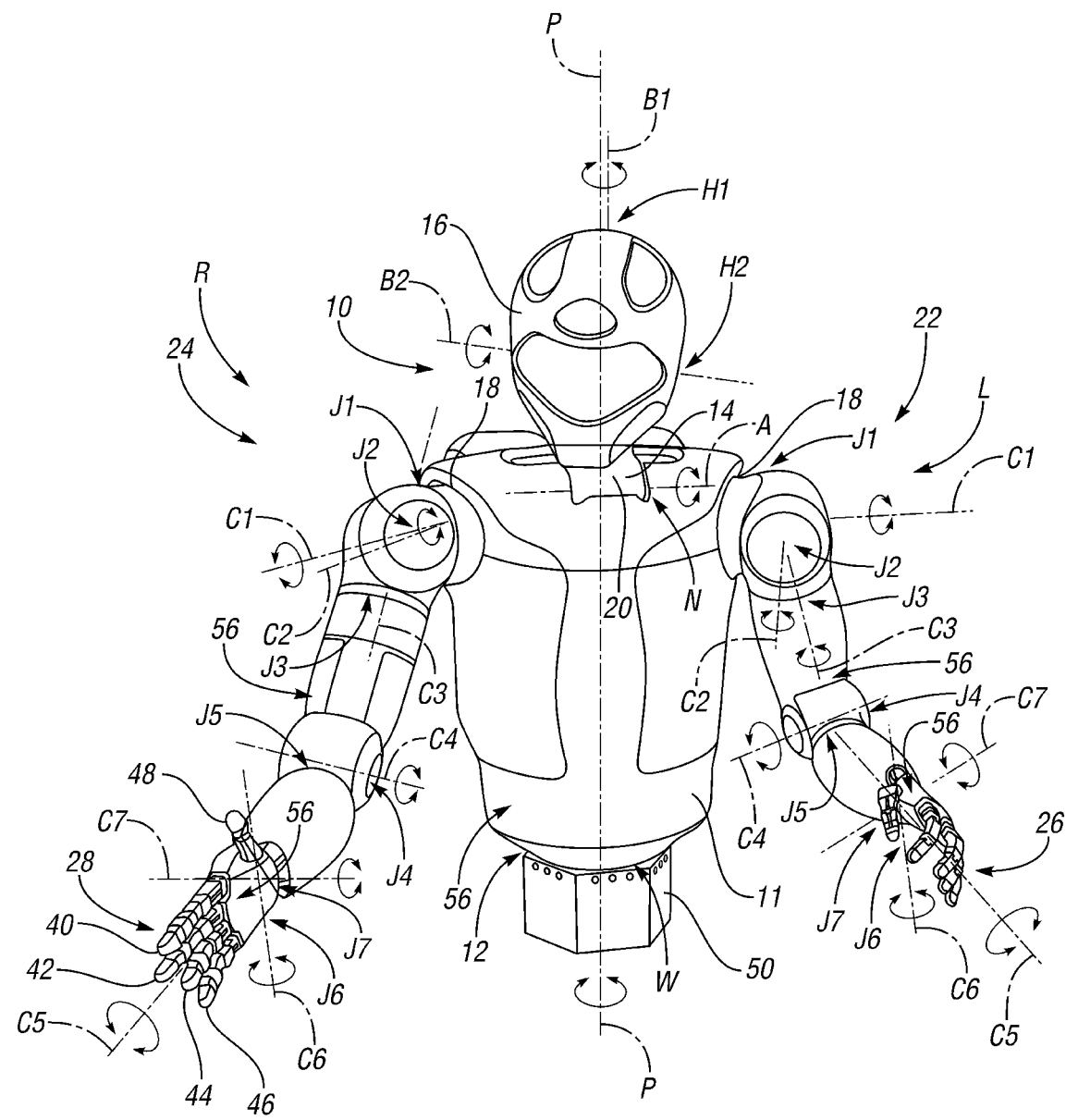
# Hello!

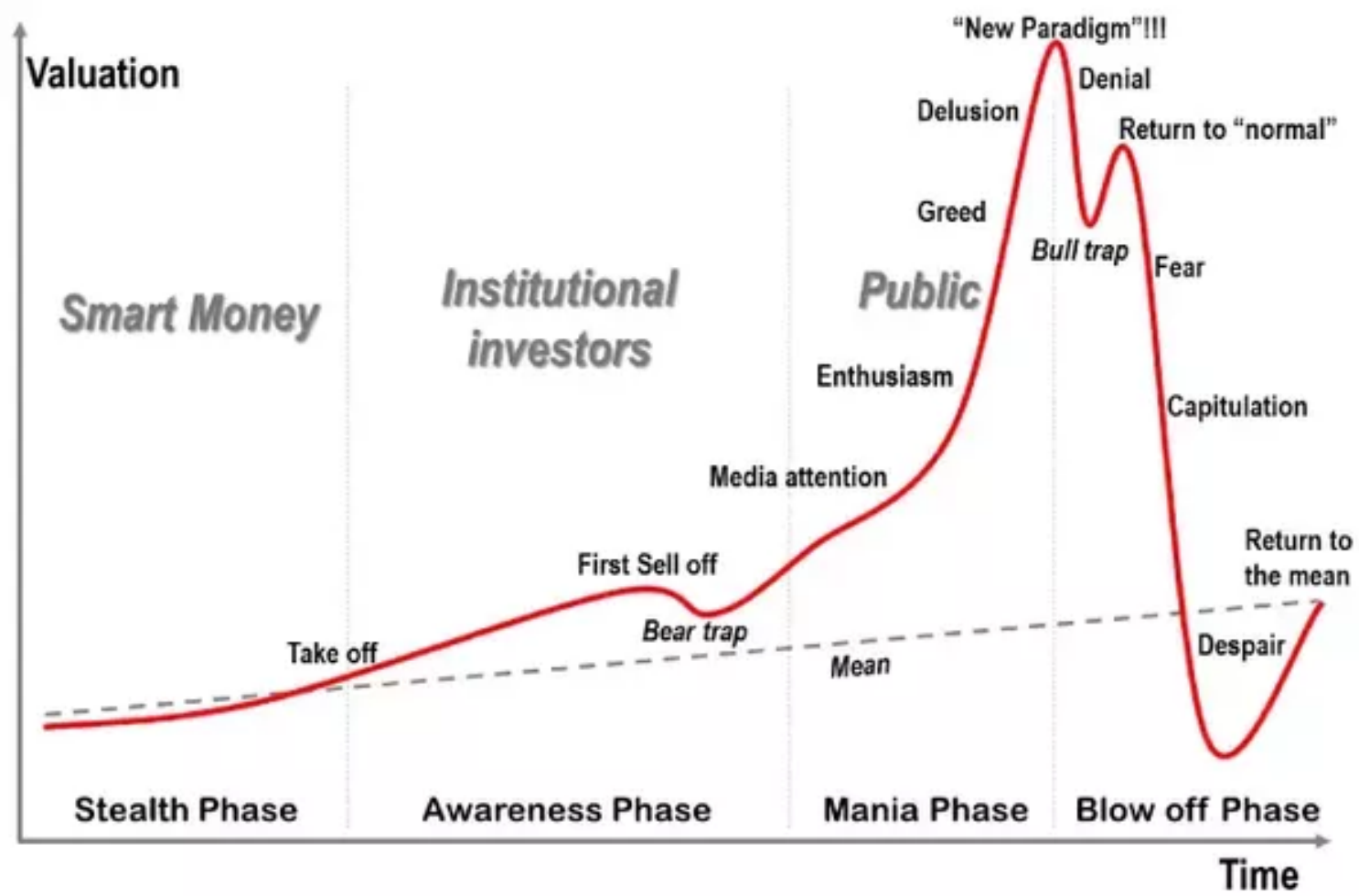
Theodore Kim

Public Speaking – Introductory Speech











```
int LongestCommonSubsequenceLength( const std::string &first,
                                     const std::string &second ) {
    const std::string &longer  = first.size() > second.size() ? first  : second;
    const std::string &shorter = first.size() > second.size() ? second : first;

    int longer_len  = longer.size();
    int shorter_len = shorter.size();

    std::vector<int> previous( shorter_len + 1, 0 );
    std::vector<int> current(  shorter_len + 1, 0 );

    for ( int i = 0; i < longer_len; ++i ) {
        for ( int j = 0; j < shorter_len; ++j ) {
            if ( toupper( longer[ i ] ) == toupper( shorter[ j ] ) )
                current[ j + 1 ] = previous[ j ] + 1;
            else
                current[ j + 1 ] = std::max( current[ j ], previous[ j + 1 ] );
        }

        for ( int j = 0; j < shorter_len; ++j ) {
            previous[ j + 1 ] = current[ j + 1 ];
        }
    }

    return current[ shorter_len ];
}
```













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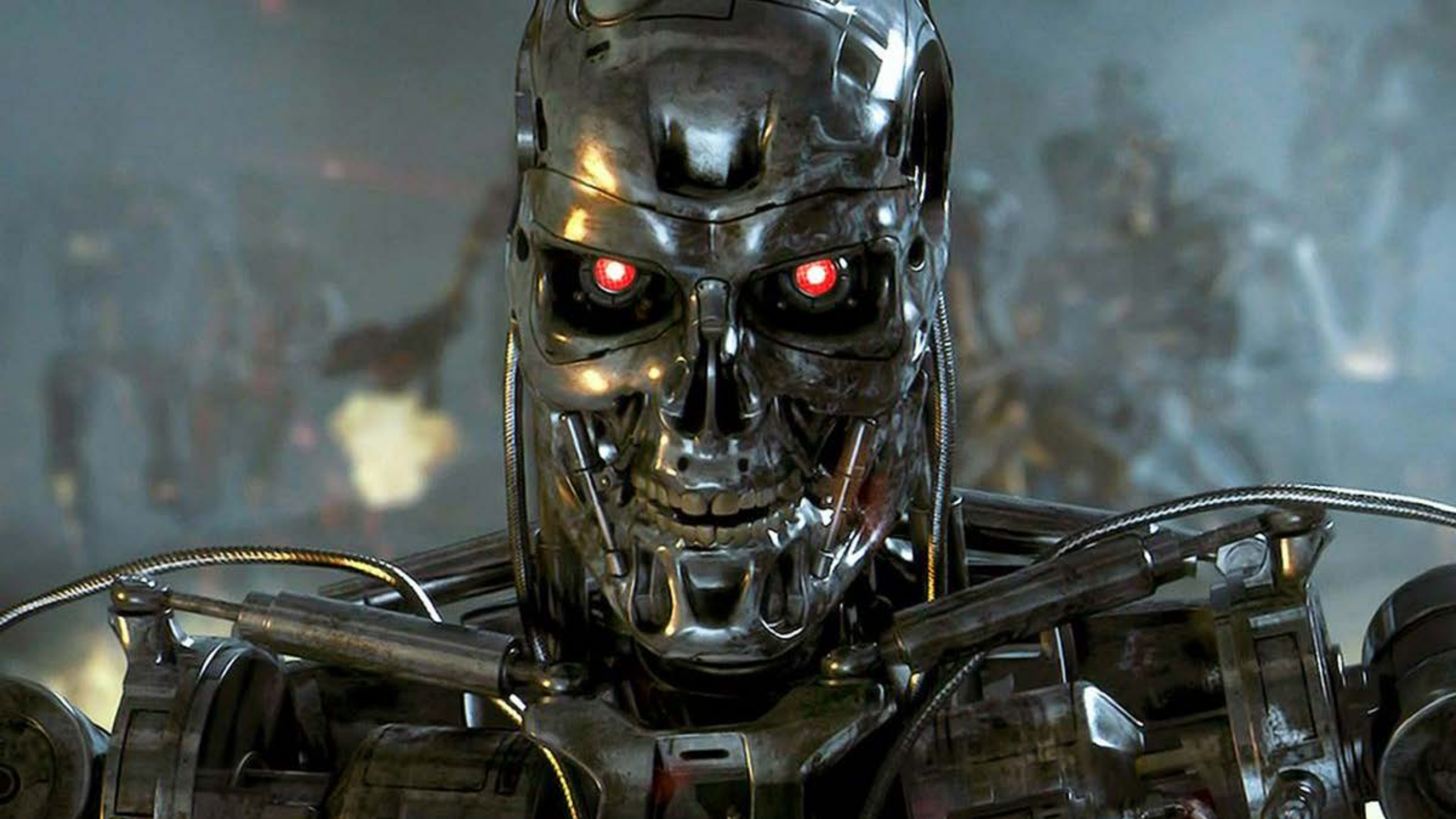
# Yonkers PALBOTICS STEM Camp











# Thanks!

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