**Controlling of EDM Servo System Using Fuzzy Logic Controller**

**[[1]](#footnote-1) Abstract**- Electrical discharge machining (EDM) is a machining process used in non traditional manufacturing. It is established for heat energy between electrode and work piece. It is use in servo system as a comparison the gap voltage reference value and confirm that the electrode travels at a prepare level to preserve the correct spark gap and draw back the electrode. For controlling the gap the fuzzy control principle, simulation is conducted in MATLAB /SIMULINK, the result shows that the controller can work well with quick response, no overshoot output and high control precision. Its performance is more efficient for control systems.

1. [↑](#footnote-ref-1)