SIMULATION OF CONSCIOUSNESS

Ali Irtem — Management Consultant, Istambul, (Turkey)

This is an attempt to give a mechanical representation of one of the most subtle and complex human concepts, CONSCIOUSNESS.

According to Professor Ross Ashby, psychological concepts should be used in Science, only if they can be simulated in "non-living-systems". Ho-

wever Dr. Ashby did not give any "model" of consciousness applicable to machines. He merely stated that "the fact of existence of consciousness is prior to all other facts". This paper attempt to give a basic formulation for consciousness, so that it might be possible to construct "conscious" machines, which would could perform their work not as slaves of other creatures (i.e. human beings) but act according to their own "Free Will".