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Fuzzy logic today. In the majority of present-day applications, fuzzy logic allows many kinds of designer and operator qualitative knowledge in system automation to be taken into account. Fuzzy logic began to interest the media at the beginning of the nineties. The numerous applications in electrical and electronic household appliances, particularly in Japan, were mainly responsible for such interest.

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(PID) controller is evident in the research community today to build state-of-the-art control systems.

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monitor the power consumption, power output, or pulse width modulation (PWM) used in an EV. The self-excited induction generator used in these motors has the inherent problem of fluctuations in the size and frequency of voltage changes in speed.

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Simões has been working on research of fuzzy logic and neural networks applications to power electronics, drives and machines control. He published the first book in Portuguese language on fuzzy modeling. He published two pioneering books, one with CRC Press on the application of induction generators for renewable energy systems and the other ...

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