BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI
TOMUL LIV (LVIII), FASC. 3, 2008
ELECTROTEHNICĂ, ENERGETICĂ, ELECTRONICĂ

SYSTEMS FOR INDUSTRIAL PROCESSES QUALITY IMPROVEMENT

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Abstract. – Industrial processes have evolved over the past few decades into very complex and highly integrated systems as a result of a universal drive for more consistent attainment of high product quality, more efficient use of energy and tighter safety and environmental regulations. Such stringent demands naturally create more difficult and challenging control problems for today's industrial process control engineer. These kinds of problems require more sophisticated solutions that can be provided by traditional techniques alone. As manufacturing companies respond to customers' requirements of providing high-quality, low-cost products, organizations must become more flexible or agile.This paper provides an succcint overview of advanced process control strategies including adaptive control, model predictive control, non linear control,fuzzy logic

Keywords: industrial system, fuzzy logic, model predictive control