Combination of Tolerances of False Causes of Failure in Neuro psychotics Structures of the prediction for the Reliability of Refurbished Systems
(Case study: the Electromotor of Second Refinery of South Pars Gas Complex)

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Abstract
The same as for planning in different categorize, maintenance planning deals with probabilistic parameters, due to uncertainty in all cases. One of the probabilities which maintenance planning is facing is related to the machines and components failure. These kinds of failure are completely accidental. Hence, involving a reliability prediction model for these uncertain cases would magnetize predictive values. In this study, based on the Adaptive Neuro-Fuzzy Inference System, a model for prediction of different systems reliability is developed. Based on the outputs of this prediction model for a case study (failures of electromotor in south pars gas Complex), it is demonstrated that the errors of predicted values are less than those for non-Fuzzy models.

Keywords
Reliability, Prediction, Nuero-Fuzzy networks

Biography
Fereidoun Heidari Takabi is Head of Methods directs and supervises the administrative and technical activities in the maintenance methods section at the south pars gas complex, Asaluye, Bushehr Iran. He earned B.S. in Mechanical Engineering from Arak University, Iran, Masters in Industrial Engineering from Asaluye International University, Iran. He has been recognized as a professional consultant with over 20 years of experience in Physical Asset Management(PAM) For instance development of maintenance policies, procedures and systems, development, configuration and operation of the CAMS (Computerised Asset Management System), Directs and supervises maintenance support activities for instance trouble-shooting, Liaison with vendors, modification initiator follow-up, solution of technical problems. He has published journal and conference papers. His research interests include optimization, reliability, scheduling, manufacturing.