


دانشجویان و فارغ التحصیلان آزمایشگاه تشخیص و شناسایی خطا:
 جهت تکمیل سایت آزمایشگاه لازم است تا اطلاعات زیر را به انگلیسی ارسال نمایید تا روی وبسایت بارگذاری شوند.
 نام و نام خانوادگی
 عکس (شبییه عکس های ۳*۴)
 عنوان پروژه و خلاصه پروژه (حدود ۱۰ خط) و نام اساتید راهنما و مشاور
 آدرس ایمیل
 علایق مطالعاتی
 آدرس وب سایت شخصی (اختیاری)
 بیوگرافی کوتاه (اختیاری)
 - در جدول زیر یک نمونه کامل شده از اطلاعات وجود دارد.

	<p>Maysam Zamani Pedram:</p> <p>My name is M. Z. Pedram. I am from Iran. I was born in May, 1987, Tehran, Iran. After Entry Exam of Iran Universities, in 2005, I entered Khaje Nasir U of T to study in Electrical Engineering-Control system. After B.Sc. course, in 2009, I started to study M.Sc. in Mechatronic Engineering, KNTU. After M.Sc. courses, in 2011, I started to study Ph.D in Mechanical Engineering, Sharif U of T.</p>
<p>Research Interest:</p>	<ul style="list-style-type: none"> -MEMS (Design-Fabrication-Control) -MicroSensors/MicroActuators -Discrete Nonlinear Control
<p>Thesis Title:</p>	<p><i>Control of Flexible Joint via Classic-Intelligent Control Methods and Anti-Control of Chaos</i></p>
<p>Abstract:</p> <p>In this thesis, we have decided to design a suitable controller for a flexible joint to achieve desired performance by combining between classic and intelligent controllers. We will discuss and implement hybrid and classic controllers such as: Fuzzy-Sliding Mode, Fuzzy-BackStepping, RBF-Sliding Mode, Fuzzy-Lyapunov and Input/Output Feedback Linearization. All these methods can be used for all nonlinear plants generally and are not restricted to flexible joints. The benefits of chaos synchronization with mechanical systems have led us to an innovation in this project. We have two desired outputs, one is tracking and the other is chaos synchronization. To achieve these requirements at the same time with only one input signal is difficult. Hybrid controllers are beneficial tools for solving this problem. In addition, chaos synchronization of deflection state variable of system results to oscillation restriction in limited bounds. Also it injects high ranged frequency data into the system and it is suitable for identification.</p>	
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