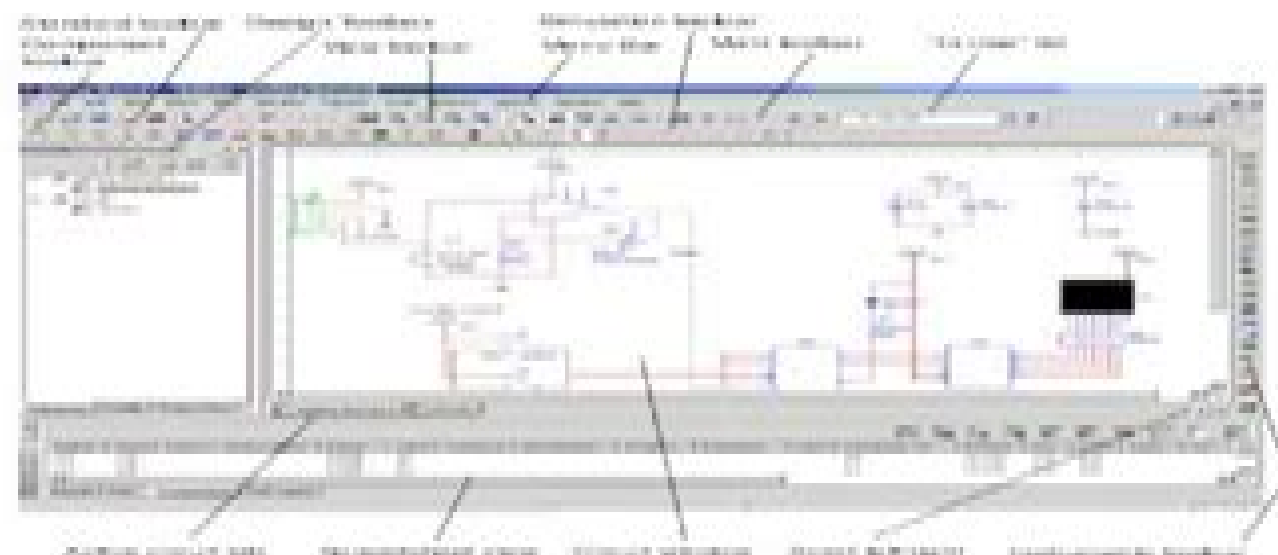


## INTRODUCTION TO MECHATRONICS

Mechatronics is defined as the interdisciplinary field of engineering and design methodology. It deals with the design of products whose function relies on the integration of mechanical, electrical and electronic components connected by a control scheme. Mechatronics is a system-level approach to designing electro-mechanical systems that merges mechanical, electrical, control systems and embedded software design. Mechatronics plays an important role in the design, manufacturing and maintenance of a wide range of engineering products and systems. Mechatronics provides solutions that are efficient and reliable systems.

### Introduction to the Multisim Interface

Multisim is the schematic capture and simulation application of National Instruments Circuit Design Suite, a suite of EDA (Electronic Design Automation) tools that assists you in carrying out the major steps in the circuit design flow. Multisim is designed for schematic entry, simulation, and feeding to downstream steps, such as PCB layout.



Multisim's user interface consists of the following basic elements:

- **Menus** are where you find commands for all functions.
- The **Standard** toolbar contains buttons for commonly-performed functions.
- The **Simulation** toolbar contains buttons for starting, stopping, and other simulation functions.
- The **Instruments** toolbar contains buttons for each instrument.
- The **Component** toolbar contains buttons that let you select components from the Multisim database for placement in your schematic.

# **Mechatronics Lab Manual Diploma**

**Ying-Ying Zheng**



## **Mechatronics Lab Manual Diploma:**

## **Mechatronics Lab Manual Diploma** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the ability of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Mechatronics Lab Manual Diploma**, a literary masterpiece that delves deep in to the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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