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Mechatronics brings together areas of technology involving sensors and measurement systems, drive and actuation systems, and microprocessor systems (Figure 1.1), together with the analysis of the behaviour of systems and control systems. That essentially is a

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summary of this book.

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and transducers

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Sensors and

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terminology 2.3...

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describe a philosophy
in engineering
technology in which
there is a co-ordinated,
and
concurrently developed,
integration of
mechanical
engineering with
electronics
and intelligent
computer control in the
design [...]

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engineering, control

and computer

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technology without
which modern life
would seem
impossible.

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- Mechatronics 2.
- Sensors and
transducers 3. Signal
conditioning 4. Data
presentation systems
- 5. Pneumatic and
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are all having an

interest to develop

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Mechatronics, which is also called

mechatronics

1
engineering is an interdisciplinary branch of engineering that focuses on the engineering of electronic, electrical and mechanical engineering systems,

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and also includes a combination of robotics, electronics, computer, telecommunications, systems, control, and product engineering. As technology advances over time, various subfields of ...

Mechatronics - Wikipedia

The integration of electronic engineering, electrical engineering, computer technology

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engineering -
mechatronics - forms a
crucial part in the
design, manufacture
and maintenance of a
wide range of
engineering products
and processes. This
book provides a clear
and comprehensive
introduction to the
application of
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mechatronics was
'invented' by a
Japanese engineer in
1969, as a combination

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of 'mecha' from mechanisms and 'tronics' from electronics. The word

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The importance of electronic circuits extends well beyond their use as a final product in that they are also important building blocks in large systems, and thus the

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industrial electronics
engineer must also
possess knowledge of
the areas of control
and mechatronics.

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This text provides a
comprehensive
introduction to the
application of
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systems in mechanical
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engineering. It offers a

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mixture of skills in
mechanical
engineering,
electronics and
computing which are
required for students
to be able to
comprehend and
design mechatronics
systems. This second
edition increases the
depth of coverage
throughout,
particularly in the ...

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engineering are fused together with components from computer science, mathematics and electrical engineering. Mechatronics has a bright future and is

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currently applied in
everyday life for
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Engineering is a book

that provides the

readers with detailed

insights into the

subject of

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Summary Of The Book

Mechatronics is the

field of engineering,

which involves a

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electrical engineering,
computer engineering,
control engineering,
and mechanical ...

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