

CENG 5434: Microcomputer Systems Design

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Agenda_9_7_2022

FltPoint

FloatingPoint Disasters

PIC&Software References

2a. SHOW VIDEOS 2a_SHOW VIDEOS_Microchip ChannelVideos.pdf

Microchip Videos 9_7_2022

Microchip's Developer Help YouTube Channel 1:04 Preview 158,324 views Jul 11, 2022

<https://www.youtube.com/watch?v=kJa91Cm19j4>

Microchip Developer Help - Huge Video Collection to help developers

<https://www.youtube.com/channel/UC7BvmnLf-HTRZmMIPXeWwA>

PIC24data Applications dsPIC33

PIC24F MCUs and dsPIC33 DSCs_MigrationVideo

3a 3a_Migration_MicrochipVideo_9_7_2022.pdf

SENSOR LECTURES [737MAX failure](#)



Reliance on one sensor's data is an [egregious violation](#) of a long-standing engineering principle about eliminating single points of failure. Some aircraft use three duplicate systems for flight control: if one of the three malfunctions, if two systems agree, and the third does not, the flight control software ignores the odd one out.

[Sensors1](#) [Sensors2](#)

[SmartSensors&SensorNetworks](#)

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Smart Sensor Explained | Different Types and Applications 50,368 views Aug 31, 2020 5:14 WiFi vs Industrial Wireless - What is the Difference? 53,109 views Dec 28, 2020 9:15

[Explain](#) IEEE 1451.4 Sensor Templates Overview - White Paper