mmWave on the TI-Resource Explorer: Examples, Applications, and Experiments

Industrial Radar Applications Team

12/20/2017

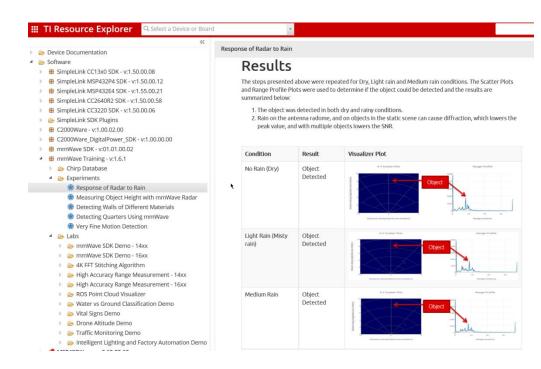**TEXAS INSTRUMENTS**

Introductions

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12/20/2017

Agenda

- Introduction to mmWave Content on TI-Resource Explorer

- Experiments

- Chirps

- Labs

- Outlook for new content through 2018

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Introduction to mmWave Content on TI-Resource Explorer

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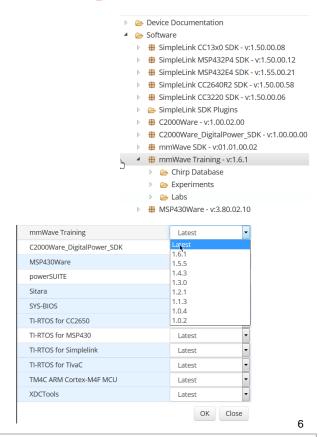# What is the TI-Resource Explorer? dev.ti.com/tirex

- TI-Resource Explorer is centralized location for not only example application projects but also reported experimental data.

- mmWave team (both Industrial and Automotive) is adding new content here regularly

- mmWave content is in three different modules
  - Chirp Database
  - Experiments
  - Labs

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Navigating to the TI-Resource Explorer

- Two ways to do this

  - **dev.ti.com/tirex** and bookmark this web page (ctrl + d).

  - Code Composer Studio in **View → Resource Explorer**

- Navigate to folder called **Software** and then to **mmWave Training – v:1.6.1** (or latest version)
  - **Note: This folder will be renamed mmWave Sensors – Industrial Toolbox in the near future**

- If a different version of **mmWave Training** is displayed
  - Click on **Package Picker** icon in top right corner:
  - Select version **Latest** for **mmWave Training** and click **OK**

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Outlook for new content through 2018

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Outlook

- Errata is found on E2E mmWave Forum
  - https://e2e.ti.com/support/sensor/mmwave_sensors/f/1023

- New Content for January 2018
  - Labs
    - Gesture Recognition
    - Fluid Level Transmitter
    - Autonomous Robotics – Sense and Avoid
  - Experiments
    - Wire Detection
    - Gestures in front of glass
  - Chirps
    - Various chirps for particular objects

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