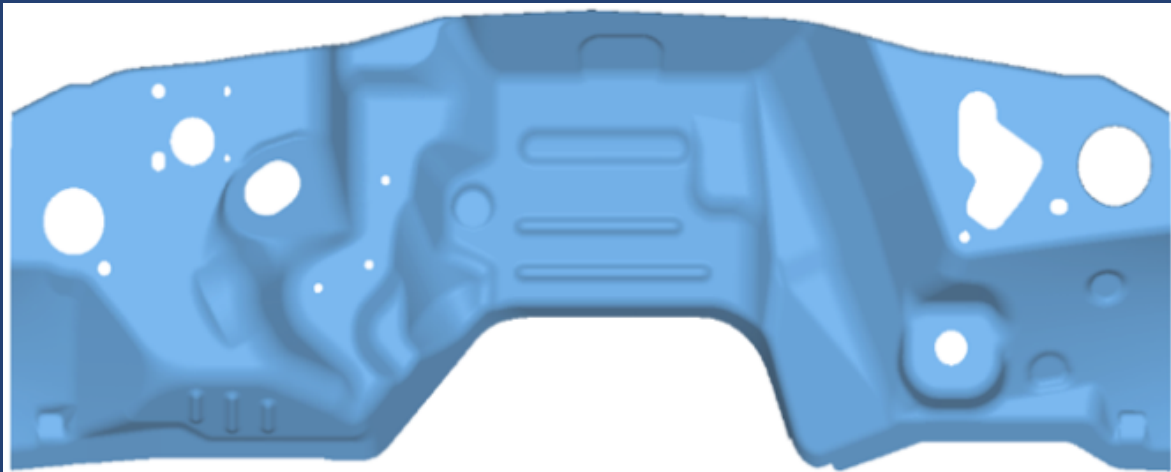


# Signal-Wise: we get the signal right

## Sound Viewer

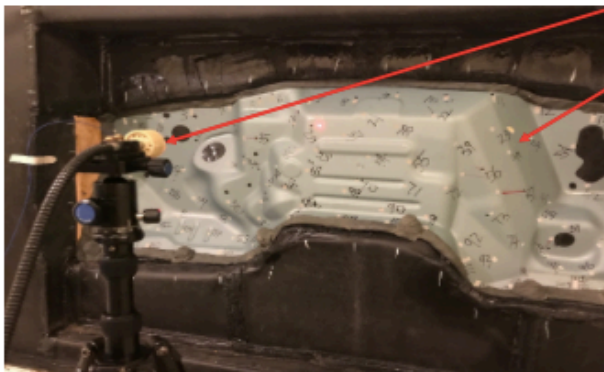
### Surface Acoustic Pressure

Sound Viewer enables one to reconstruct the acoustic pressure distribution on the surface of an arbitrarily shape structure.<sup>1</sup>



The front dash panel of a full-size truck.

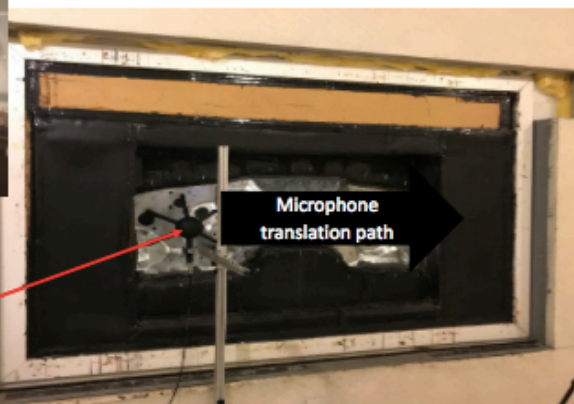
#### ➤ Measure velocity



Laser vibrometer

Dash panel

#### ➤ Measure Pressure

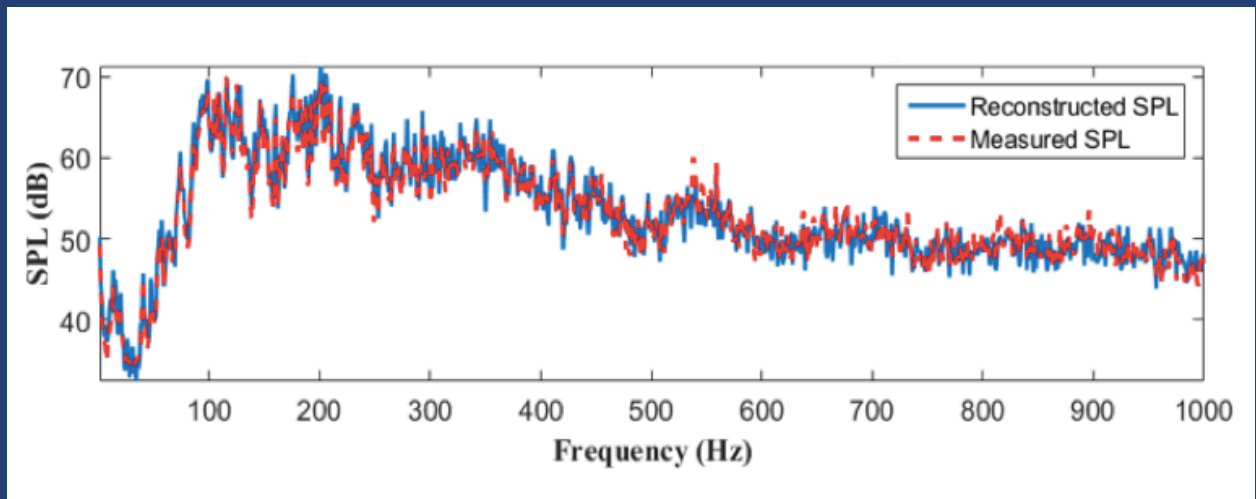


Sound Viewer

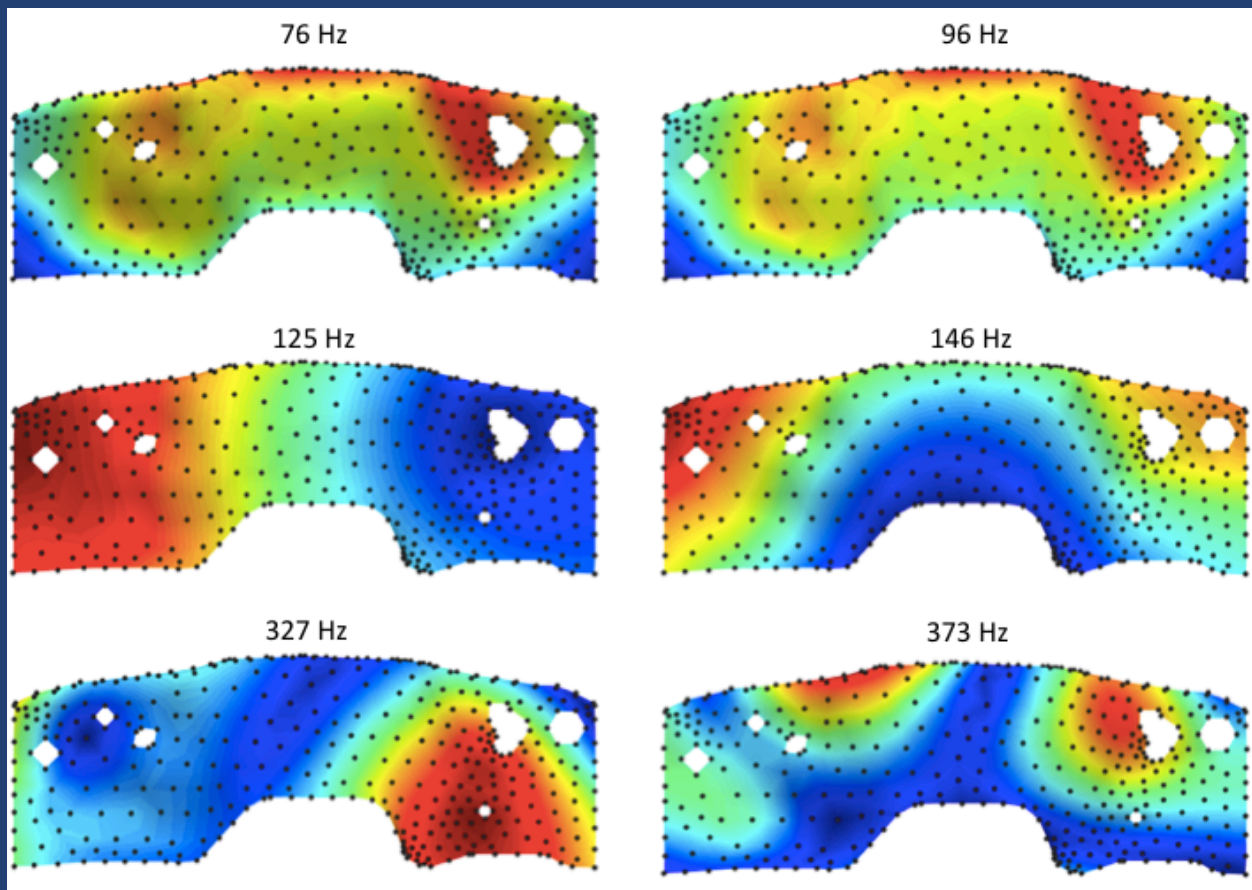
Analyzing STL by using a laser vibrometer and Sound Viewer.

<sup>1</sup> Provided that the 3D model of the structure is available. This 3D model can be generated by CAD or using a 3D scanner, which are not included in the Sound Viewer package.

# Signal-Wise: we get the signal right



Validation of the reconstructed and spatially-averaged acoustic pressure spectra and benchmark ones measured by the microphone array of Sound Viewer for the front dash panel.



Sound Viewer enables one to reconstruct the acoustic pressure distributions on the surface of the front dash panel of a full-size truck at different frequencies.