

Barriers and Challenges	Priority
<ul style="list-style-type: none"> <li>Lack of effective methods to identify commonality from multiple sensors and modalities</li> </ul>	High
<ul style="list-style-type: none"> <li>Lack of good techniques for temporal and spatial data alignment and synchronization</li> </ul>	High
<ul style="list-style-type: none"> <li>Different resolution and accuracy of data from multiple data collection processes and sensors</li> </ul>	High
<ul style="list-style-type: none"> <li>Technology exists but good methods to extract unbiased feature from raw data</li> </ul>	Medium
<ul style="list-style-type: none"> <li>Limited techniques to handle modality interaction for handling missing information</li> </ul>	Medium
<ul style="list-style-type: none"> <li>What modalities should be learned is unclear</li> </ul>	High
<ul style="list-style-type: none"> <li>Limited sharing of MMDF best practices, feature, fusion algorithms, success stories, and training due to disparate standards and information formats; customization of manufacturing systems, automation systems and robotic systems contribute to low re-usability of MMDF analytics and ability to share results.</li> </ul>	Medium
<ul style="list-style-type: none"> <li>Multimodality cost-benefits are unclear</li> </ul>	Low