

TIM TALTY

TECHNICAL FELLOW GENERAL MOTORS

The Intersection Of Automotive, Electronics and Automation



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Warren Michigan Technical Center



MAJOR AUTOS IN MICHIGAN

More than 150,000 people employed by Michigan's automotive firms.



GM

www.detroitchamber.com/wp-content/uploads/2016/07/DEGC-PPT.pptx

MAJOR AUTOS IN MICHIGAN

Epicenter of the North American Auto Industry

The Detroit region is the densest cluster of automotive design, engineering, R&D and manufacturing on the planet. Today, Michigan remains the center of the North American industry and is well positioned to drive the future.





www.detroitchamber.com/wp-content/uploads/2016/07/DEGC-PPT.pptx



GM'S WORLD VIEW

GM is committed to a future of:

ZERO ZERO CRASHES EMISSIONS ZERO CONGESTION

3

TECHNOLOGY WILL HELP UNLOCK THIS FUTURE

Components of Vehicle Maneuvering





Evolution of Sensing



<u>GM</u>

Evolution of Vehicle Features



<u>GM</u>

https://www.computer.org/csdl/magazine

Components of Vehicle Maneuvering



Lifelong Learning Machines (L2M)





https://www.darpa.mil/news-events/2017-03-16

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