



# Microsoft Azure Big Compute HPC on Azure



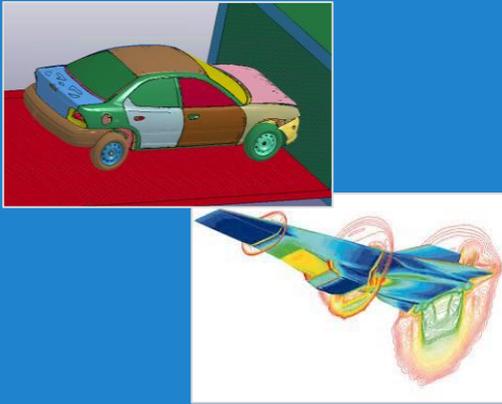
HPC  
BIG DATA  
SIMULATION

19 & 20 JUN 2018  
JUNE 19 & 20 2018  
ÉCOLE POLYTECHNIQUE  
PALAISEAU-FRANCE



# Azure Big Compute Workloads

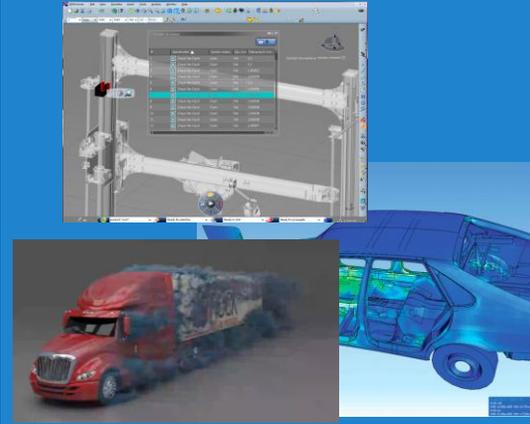
## HPC/Simulation



- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD)
- Multibody Dynamics (MBD)
- Simulation Program with Integrated Circuit Analysis (SPICE)
- Optimization



## Visualization



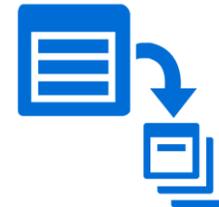
- Cloud-based engineering (cloud VDI)
- Cloud-based post visualization of simulations



## Rendering

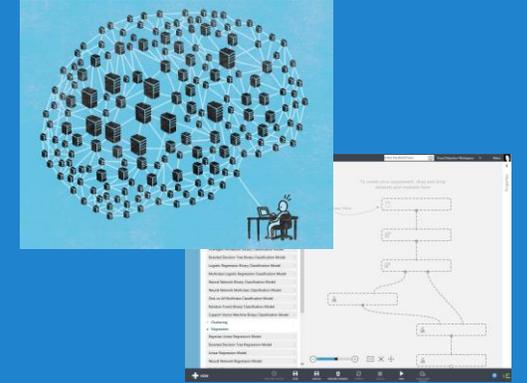


- Concept Vehicle Styling
- Digital Concept Vehicle
  - Replace clay models
- Marketing Campaign
  - Web, media, print
- Engineering
  - E.g., cockpit glare



Azure Batch

## Deep-Learning/AI

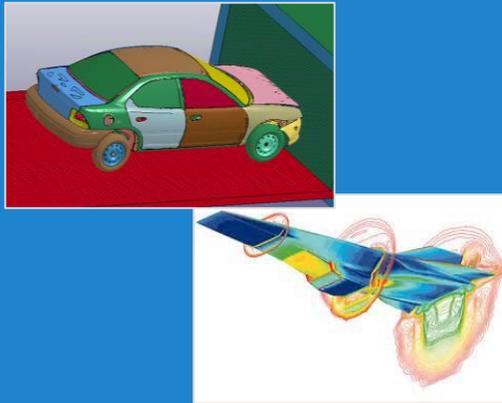


- Autonomous driving
- Advanced Driver Assistance Systems (ADAS)
- Failure Detection



# TERATEC 2018

## AZURE

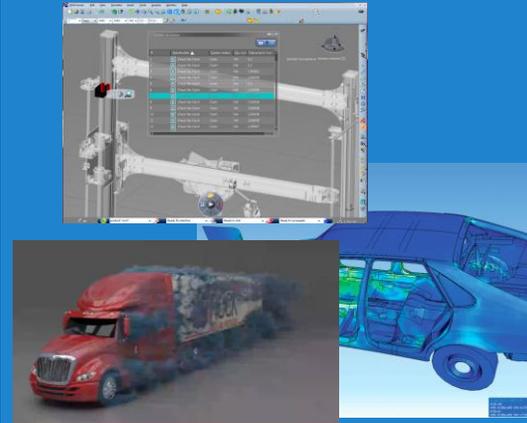


**Mardi – Mercredi**  
Stand 49

**Cloud Microsoft Azure  
Datacenters en France**

*Frederic Aatz  
Azure Lead France  
MICROSOFT France*

## Quantique



**Mercredi - Atelier 3**  
11h30 - 12h00

**Approche de  
l'informatique quantique  
évolutive chez Microsoft**

*Bernard OURGHANLIAN,  
Chief Technology & Security  
Officer, MICROSOFT France*

## Big Compute



**Mercredi Atelier 5**  
15h00 - 15h30

**Integration de plateformes  
Big Compute(HPC) & Big  
Data sur le cloud Microsoft  
Azure**

*Gabriel SALLAH, EMEA HPC  
Black Belt, MICROSOFT*

## Partners



**Rendez-vous croisés**  
A la demande

**ActiveEon  
INTEL**