1. Problem setting
Creating a distributed tutorial for better understanding complex mechanisms, such as car suspension mechanisms.
- Animated and interactive 3D model
- Directly readable in a web browser
- Without any plugin
This poster describes how DT-VAM was created and demonstrates its interest for propagating knowledge inside enterprise.

2. Choosing software components
Based on X3D components (Blaxxun 3D)
- HTML layer
- Javascript
- Java layer
- GUI AWT
- Blaxxun 3D

b. Dynamic calculations with ADAMS
Simplified model of the mechanism: position and orientation of each link is calculated on 33 positions

3. Creating DT-VAM
a. Initial model of mechanism
Technical description of a multibar classical suspension

CAD model of innovating OCP suspension (Optimized Contact Patch), a recent patented mechanism developed by Michelin and IFMA

b. Java programming
Extensible library: 2 mechanisms provided for the moment

4. Conclusion
We presented the DT-VAM software tutorial for explaining complex mechanisms in a distributed web 3D environment.