

Recent Developments and Roadmap

Part 2: Dummy Models

12th International LS-DYNA User's Conference
June 5, 2012



Outline

- Introduction
- Recent developments

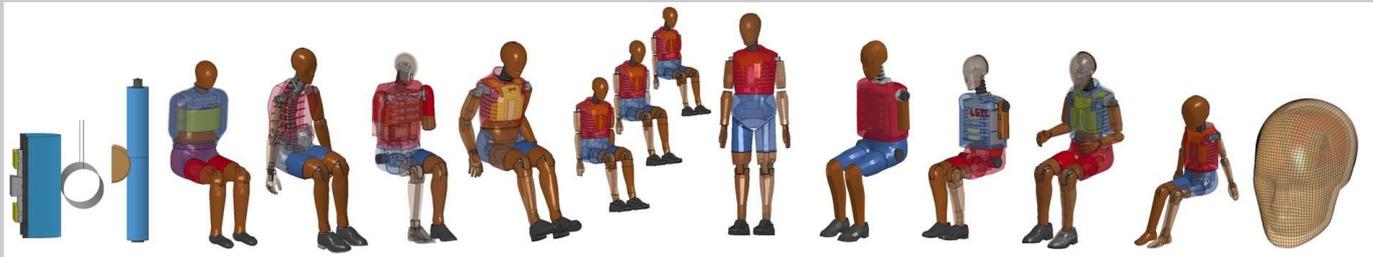
LS-PrePost	Mr. Philip Ho
Dummies	Dr. Christoph Maurath
Incompressible CFD	Dr. Facundo Del Pin
Electromagnetics	Dr. Pierre L'Eplattenier
ALE, DEM, SPH, Particle	Dr. Jason Wang



- Conclusions

Dummies & Barrier

Dr. Christoph Maurath



Released LSTC Dummy Models

Detailed Models
HYBRID III 5 th
HYBRID III 50 th
HYBRID III 95 th (scaled)
SID IIs D
EuroSID 2
EuroSID 2re
USSID
HYBRID III 6-year-old
Free Motion Headform
Pedestrian Legforms
BioRID II (ALPHA)

FAST Models
HYBRID III 5 th
HYBRID III 50 th
HYBRID III 95 th
SID IIs D
HYBRID III 5 th Lower Body
HYBRID III 50 th Lower Body
HYBRID III 50 th standing

LSTC Dummy Models in Development



Model	Status
HYBRID III 3-year-old	Material Optimization
HYBRID III 95 th	Model Improvements and Material Optimization
HYBRID III 95 th FAST	Model Calibration and Sled Verification
BioRID II	Model Improvements and Material Optimization
WorldSID 50 th	Model Build-up
THOR NT	Meshing
Ejection Mitigation Headform	Material Optimization
HYBRID II	Meshing

Planned LSTC Dummy Models

- Pedestrian Headforms
- FAST versions of EuroSID 2 and EuroSID 2re
- Q-series child dummies
- Flex PLI
- WorldSID 5th percentile female

LSTC Dummy Models Recap

We committed to the continued development and support of our released and future dummy models

Dummy models are available at no additional cost to current LS-DYNA customers

All models are unencrypted and may be changed by customers

Feedback is greatly appreciated but not required

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Thank You !