Towards an Advanced Power Train Research Network (AVPRnet)

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Towards an AVPRnet

Background

Objective

Actions

Survey

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Background

Electric snowmobile project

2007
60 km/h
~ 40 km/h
+16 km
~ 450 kg

See Session 15:
Advance Vehicle Design and Simulations
Nov. 2 – 1:30 to 2:45 pm
Towards an AVPRnet

Background

Electric snowmobile project

The VERT project

See Session 15:
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Background

Electric snowmobile project
The VERT project
Towards an AVPRRnet

Background
Electric snowmobile project
The VERT project
Transport Canada
University of Manitoba

The AVPRRnet project

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Objective

To create a Canadian network of researchers using advanced simulation/modelling techniques for the development of advanced powertrains used in battery electric, hybrid, plug-in hybrid, and fuel cell electric vehicles.

Description found in conference bag

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Actions

2007-08

AVPRnet Project (Phase 1)

• conducting a survey of active centres, experts, and resources, both nationally and internationally,
• defining the structure for AVPRnet, including membership rules, roles and responsibilities, IP issues, exchange modalities, resources, etc.,
• soliciting the participation of Canadian university-based teams already doing powertrain development and simulation,
  • developing a three-year plan
As well as

Two modelling/simulation cases:
  - Unicel Parcel Delivery Truck
  - Toyota Prius

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Survey

Survey found in conference bag

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We feel that there is a need for an advance vehicle powertrain research network, such a network is dependant on a validation of both the needs of industry and academia as well as their collective vision.

We need your input! - Please Fill out our survey.

What does the future hold? Thanks to Transport Canada.

See Session 15: Advance Vehicle Design and Simulations Nov. 2 - 9:15 am to 10:30am

CrossChasm (Matthew Stevens)

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